

SECTION 09 91 00

PAINTING

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. Interior and exterior exposed surfaces shall be painted except as follows and except as allowed otherwise by DPS:
 - 1. Pre-finished or factory-finished items
 - 2. Ductwork, conduit, hangers, etc. when concealed above finished ceilings or within walls
 - 3. Code-required labels
 - 4. Operating parts such as dampers, sprinkler heads, etc.
 - 5. Galvanized finished metals, except in interior public finished areas

1.02 QUALITY ASSURANCE

- A. Among other standards, follow recommendations of the Architectural Specifications Manual by the Painting & Decorating Contractors of America.
- B. Primers and other undercoat paint shall be produced by the same manufacturer as finish coats.
- C. For new buildings and expansions: Provide a complete finish coat mock up for approval prior to proceeding with the finish coat on the remainder of the project.

1.03 SUBMITTALS

- A. Technical specifications for each paint to be used on each substrate
- B. Operation and maintenance information
 - 1. Color finish schedule
 - 2. Color draw-downs
 - 3. Color formula for each color used on the project
 - 4. Paint manufacturer
 - 5. Paint subcontractor
 - 6. Maintenance instructions

PART 2 MATERIALS

2.01 ACCEPTABLE MANUFACTURERS

- A. Paints – Devoe, Benjamin Moore, Sherwin-Williams, Old Western, Behr/Kilz
- B. Wood Stain and Wood Finish – Benjamin Moore, Sherwin-Williams, Minwax, Devoe, Behr/Kilz
- C. Block Filler - Devoe, Benjamin Moore, Sherwin-Williams, Old Western, Behr/Kilz
- D. Gypsum board PVA Primer - Devoe, Benjamin Moore, Sherwin-Williams, Old Western, Behr/Kilz
- E. Anti-graffiti sealer for masonry – American Polymer Corp., ProSoCo., Tamms Industries Devoe, Sherwin-Williams, Old Western, Behr/Kilz
- F. Marker Board Paint – PCI, JFB Hart, Idea Paint, Rustoleum

2.02 MATERIALS

- A. Interior paints on renovations shall be 100% latex acrylic products.
 - 1. All hard ceilings, plaster, drywall, exposed metal decking shall be painted with 100% latex acrylic semi-gloss.

- B. Interior paints on new buildings and expansions shall be as follows:
 - 1. Bathrooms, locker rooms, kitchens, slope closets, and any other wet areas shall be water based epoxy.
 - 2. Remainder of interior shall be latex semi-gloss 100% acrylic.
- C. All exterior surfaces that receive paint shall be 100% latex acrylic semi-gloss.
- D. Interior and exterior metal door frames, doors, and handrails on new buildings and expansions shall receive water based alkyd or water based epoxy.
- E. Wood doors for renovations shall match the existing doors in the building.
- F. Wood doors for new building and expansions shall be pre-finished with a water borne polyurethane.
- G. Stage flooring paint shall be flat black 100% latex acrylic.
- H. All raw CMU and brick to be painted shall receive block filler prior to paint.
- I. Galvanized metals shall receive a prep primer.
- J. Stains shall have a clear water borne polyurethane finish.
- K. Sheen
 - 1. At existing conditions, interior and exterior painted surfaces shall be finished with a semi-gloss finish.
 - 2. At all new buildings, expansions, and major renovations, with a Level 4 drywall finish use eggshell paint sheen. Use of orange peel texture is also permitted.
 - 3. Sheen for ceiling paints
 - a) Interior ceiling areas shall be painted with semi-gloss sheen on drywall, plaster and exposed metal decking.
 - i) Exception – Hard lid ceilings in Auditoriums shall be painted with flat sheen.
 - b) All acoustic tile to be painted shall be painted with flat latex dryfall.
- L. Material for repainting lockers and metal toilet partitions: Electrostatic finish or industrial enamel

PART 3 EXECUTION

3.01 EXAMINATION

- A. Inspect prepared surfaces prior to application of finish coats.
 - 1. Contractor shall notify the Architect and DPS prior to application of finish coats.
 - 2. Inspections by others do not relieve the A/E of contract responsibilities.
 - 3. Ensure that minimum one primer coat and two finish coats are applied per specifications.

3.02 PREPARATION

- A. General
 - 1. Materials receiving paint, stain, and other liquid-applied finish shall have all grease, dirt, tape, staples, thumb tacks and other foreign materials removed.
 - 2. Patch and fill cracks and holes of all sizes.
 - 3. Touch up primers, etc.
 - 4. Fill gaps and transitions at trim, woodwork, cabinets, baseboards, windows, door frames, etc., with sealant or caulk, to provide smooth, uniform surfaces for painting.
 - 5. Provide a smooth, clean substrate for painting.
- B. Substrate preparation for specific materials
 - 1. Primed steel: Remove rust, touch up shop primer.
 - 2. Galvanized steel: Chemical phosphate etch, solvent clean.
 - 3. Wood (painted): Fill, sand, seal knots with shellac, putty nail holes.

4. Wood (stained): Fill and sand.
 5. Gypsum board: Clean and remove dust and dirt.
 6. Acoustic ceilings: Remove and replace damaged acoustic materials.
- C. Repainting of existing painted surfaces
1. Remove tape, staples, and loose paint.
 2. Fill nail holes, staple holes, holes of any size, cracks, and voids.
 3. Fill, sand and finish to provide uniform substrate and to match existing surfaces.
 4. Texture or skim coat if necessary.

3.03 APPLICATION

- A. All surfaces shall receive a minimum of three (3) coats of paint, varnish, etc.
1. Gypsum board and plaster: Primer and two (2) finish coats
 2. Masonry: Filler and two (2) finish coats
 3. Metals: Primer and two (2) finish coats
- B. Paint shall be applied by brush or roller, spraying with backrolling is allowed (airless, conventional, HVLP).
- C. Allow 24 hours between coats.

3.04 VENTILATION AND SAFETY

- A. Application of paint or staining in interior spaces must be performed during non-occupied building hours or; positive ventilation must be provided to assure that fumes from painting operations are exhausted directly to the exterior of the building.
- B. Application of painting or staining in interior spaces shall not occur less than 4 hours prior to the scheduled occupancy of the building.

3.05 EXTRA MATERIAL

- A. Draw downs of each color and type used to be included in O&Ms.
- B. Furnish from same production run as materials applied.
- C. Containers shall be clearly labeled describing contents, color, and formula.
- D. Identify using the same designation as found on the finish schedule in the operations and maintenance manual.
- E. One gallon of each color used to be stored at each school where paint color was applied.
- F. Two new boxes of each type of acoustical tile, to be painted by contractor, to match newly painted tile to be stored at each school.

PART 4 PAINTING OF EXISTING GLAZED BLOCK

4.01 SURFACE PREPERATION

- A. Each surface shall be cleaned, scraped, sanded and prepared as specified. The painting contractor is responsible for the finish of their work. Should any surface be found unsuitable to produce a proper paint or sealant finish the project manager shall be notified in writing, discontinue application until the unsuitable surfaces have been corrected.
- B. All deteriorated or delaminated substrates shall be replaced with new materials.
- C. Thouroughly sand all glossy surfaces to create a profile for paint and/or primer to adhere to.
- D. Apply caulking as needed in specific areas. Allow caulking to cure for specified time in dry weather before paint is applied.
- E. Glazed block – prime coat STIX Primer (3.1 mils WFT or .9 mils of DFT)
- F. Finish coat – pro industrial pre-catalyzed water based epoxy (K46 series) (4 mils WFT or 1.5 mils) 2 coats

1. 24 hour curing period required between primer and paint.

PART 5 PAINT SCHEDULES—See Following Pages

ELEMENTARY SCHOOLS COLORS LIST		
Scheme 1	ANTIQUE WHITE Y-W12	Primary
	<u>PURE TURQUOISE M460-4</u>	
	<u>CHILLED WINE M310-5</u>	
	OPTIMUM BLUE M540-7	

Scheme 2	SAIL CLOTH N300-1	Primary
	<u>RUMBA ORANGE M230-7</u>	
	<u>ENGLISH CUSTARD M290-5</u>	
	DEEP FIRE M180-7	

Scheme 3	JOURNAL WHITE S310-2	Primary
	<u>SALAMANDER P370-6</u>	
	<u>HACIENDA BLUE P490-6</u>	
	ENGLISH CUSTARD M290-5	

Scheme 4	ORIGINAL WHITE N290-1	Primary
	<u>LASER P350-6</u>	
	<u>TOUCAN P230-6</u>	
	FLASHY SAPPHIRE P520-7	

Scheme 5	BRAZILIAN TAN N250-2	Primary
	<u>NIGHTINGALE GRAY N200-3</u>	
	<u>JAPANESE KOI P210-7</u>	
	PRECIOUS STONE M470-6	

Scheme 6	OFF WHITE 73	Primary
	<u>SIZZLING SUNSET P200-6</u>	
	<u>BLING BLING P280-6</u>	
	BEACON BLUE P510-7	

Scheme 7	ROADSTER WHITE N370-1	Primary
	<u>HALF SEA FOG N470-3</u>	
	<u>SPRINGVIEW GREEN P380-6</u>	
	TIDAL M510-6	

Scheme 8	METEOR SHOWER N450-3	Primary
	<u>RAGING BULL M160-7</u>	
	<u>FLASHY SAPPHIRE P520-7</u>	
	LITTLE SUN DRESS P280-5	

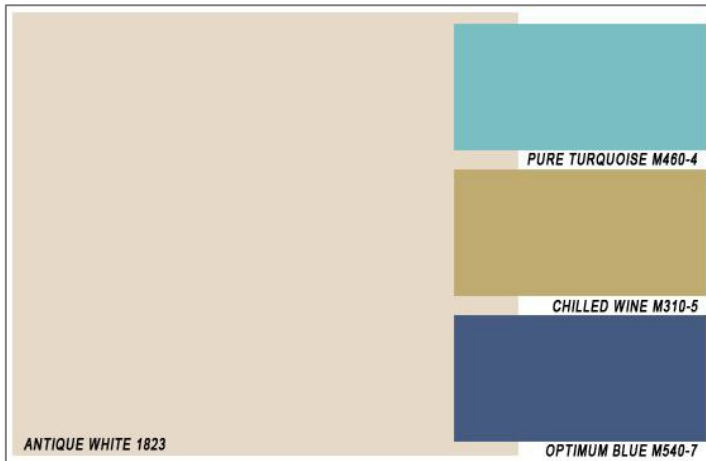
Scheme 9	CONFIDENT WHITE GR-W12	Primary
	<u>LAZY CATERPILLAR P370-5</u>	
	<u>PIMENTO P180-6</u>	
	INDIGO BATIK P530-6	

ELEMENTARY SCHOOLS COLORS LIST		
Scheme 10	ARID LANDSCAPE N310-2	Primary
	<u>KEEMUN M330-6</u>	
	<u>THAI TEAL M460-6</u>	
	ELEGANT NAVY M530-7	

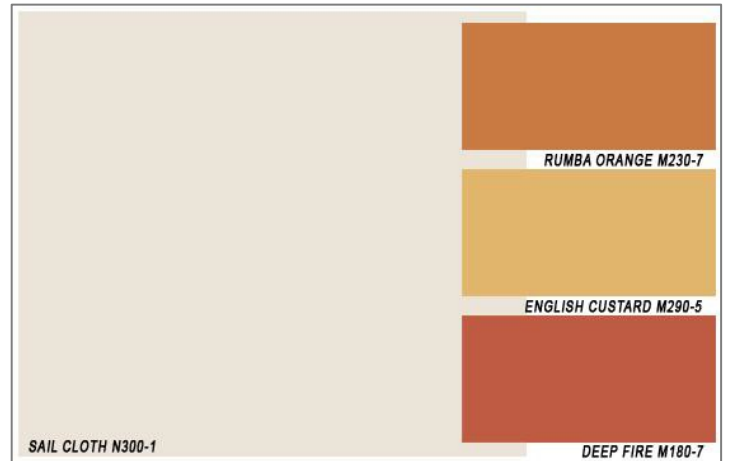
Scheme 11	SMOOTH SILK YL-W7	Primary
	<u>HIGH DIVE P480-5</u>	
	<u>TOP TOMATO P180-7</u>	
	ANIME P340-5	

Scheme 12	JOURNAL WHITE S310-2	Primary
	<u>BOLD AVOCADO M360-6</u>	
	<u>TOUCAN P230-6</u>	
	TOP TOMATO P180-7	

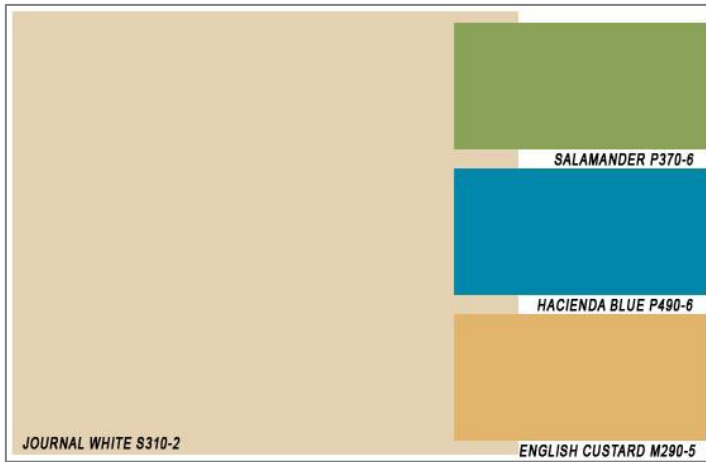
ACCENT	XOXO P110-7 RACE CAR STRIPE P170-6 FLIRT ALERT P150-7 DASH OF CURRY M170-6
ACCENT	JAPANESE KOI P210-7 BLAZING BONFIRE P250-7 SIZZLING SUNSET P200-6 FALL FOLIAGE M220-7A
ACCENT	SMILEY FACE P260-6 SUNNY SIDE UP P270-7 FUZZY DUCKLING P270-5 JOYFUL ORANGE P240-7
ACCENT	LASER LEMON P290-7 LAZY LIZARD P350-7 PARK PICNIC P390-7 SPRINGVIEW GREEN P380-6
ACCENT	MEGA BLUE P520-6 COSMIC COBALT P500-7 ADMIRAL BLUE M520-7 TROPICS P450-6
ACCENT	WIZARD'S POTION P550-6 JUST A FAIRYTALE P560-6 PURPLE PARADISE PPU16-3 CARBON N520-7



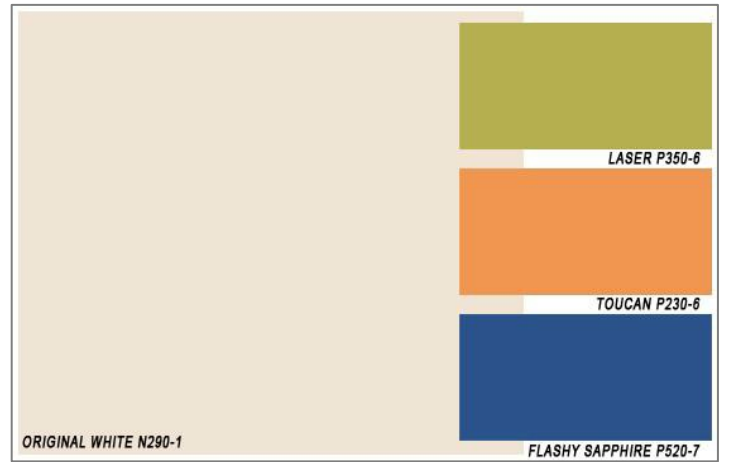
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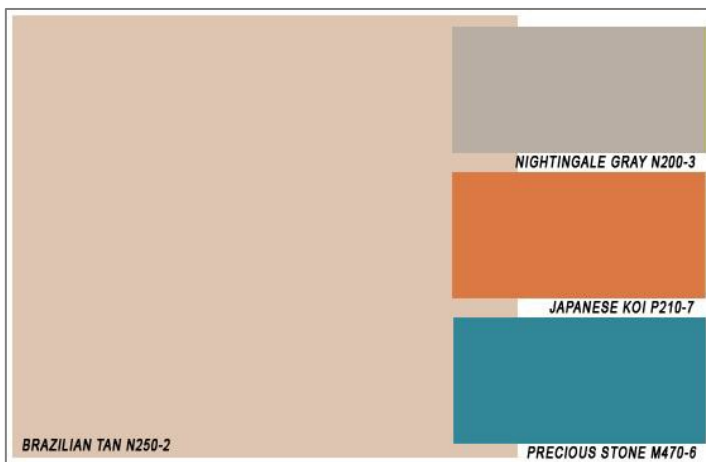
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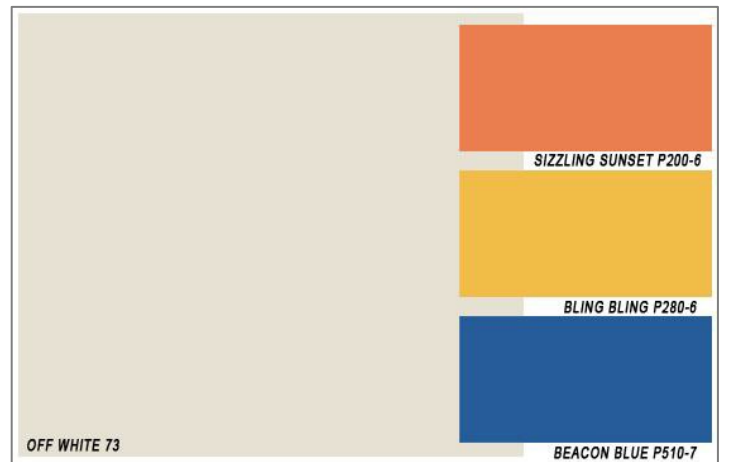
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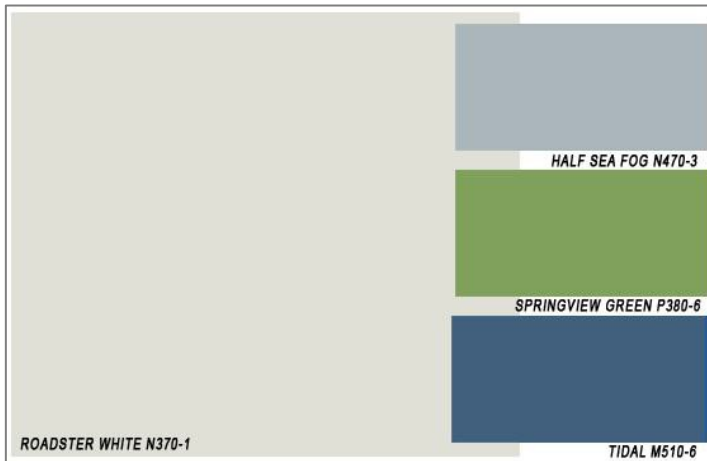
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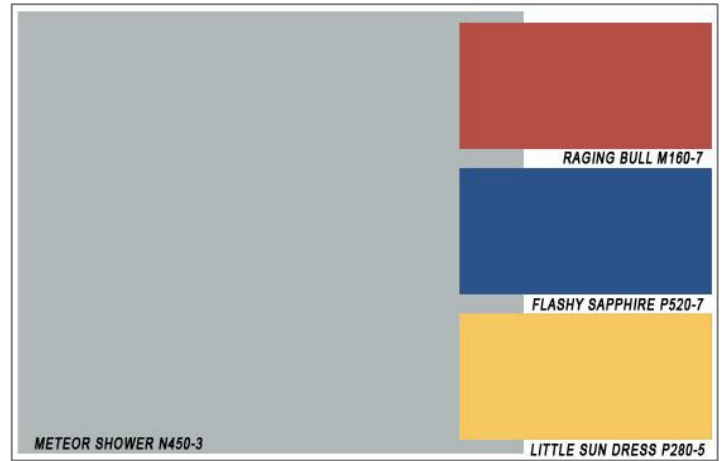
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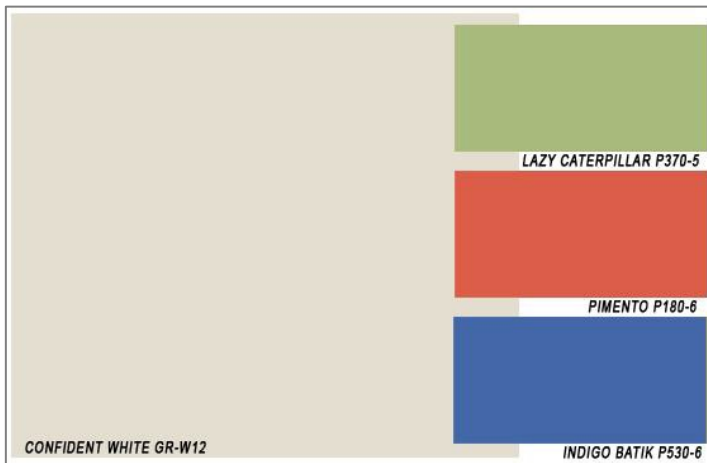
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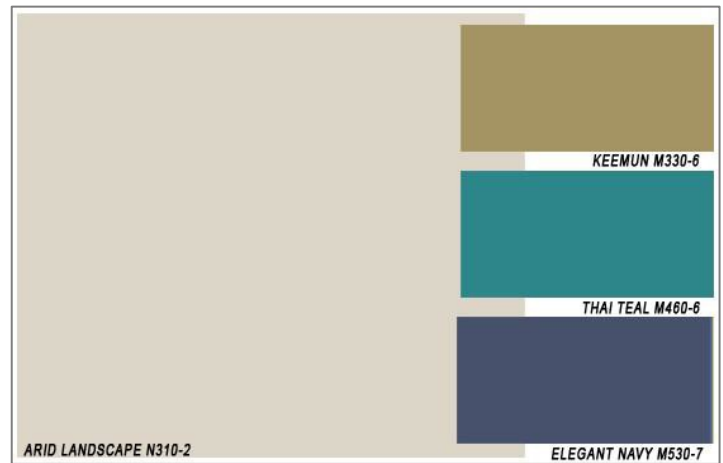
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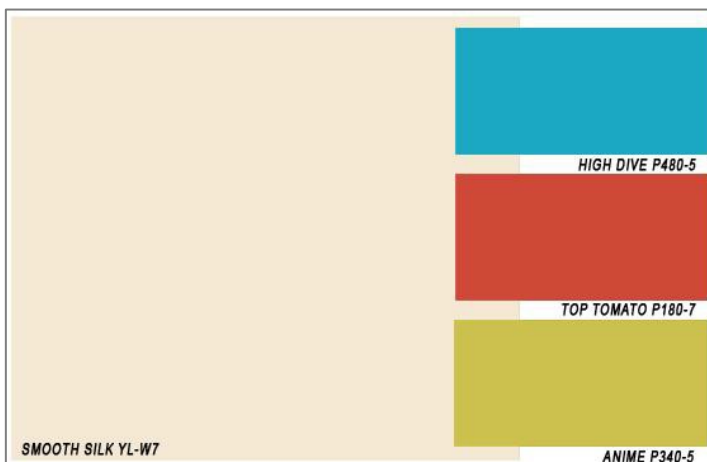
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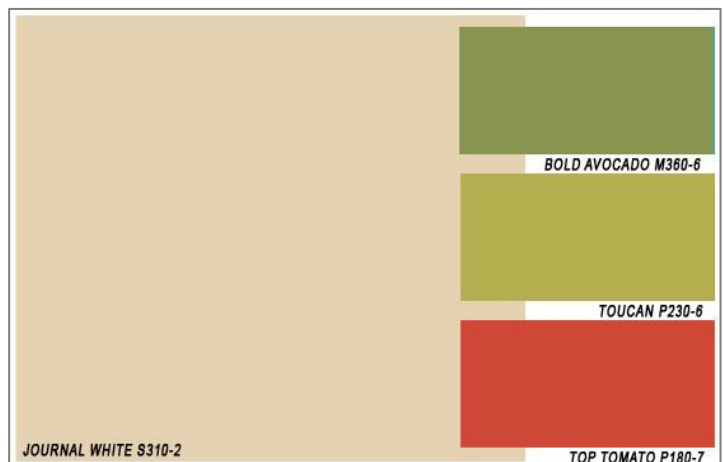
Color Scheme 9



Color Scheme 10



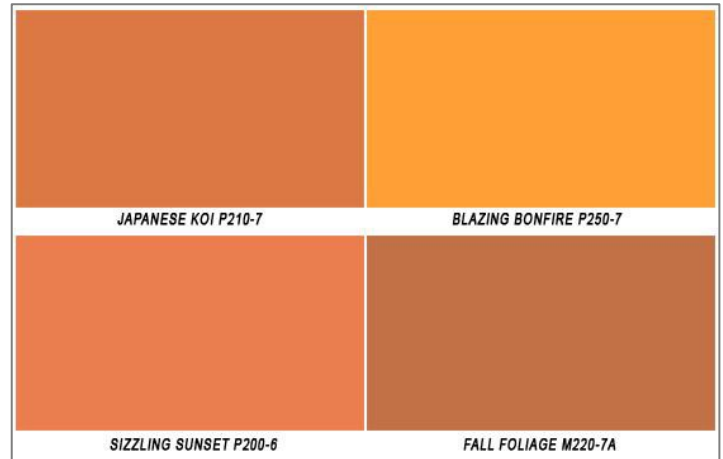
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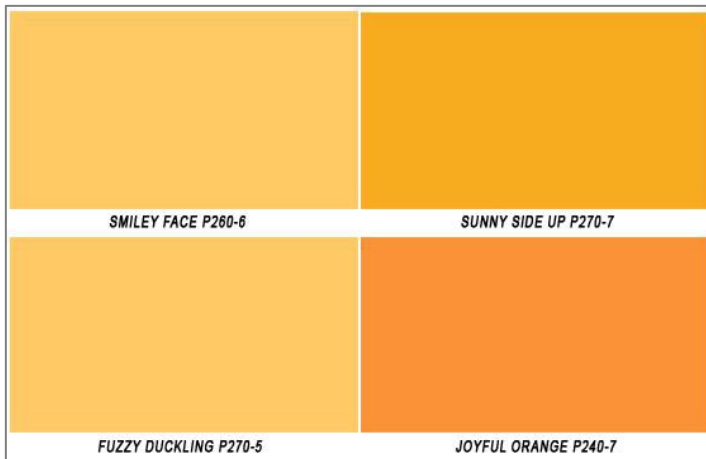
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Accent Colors 1



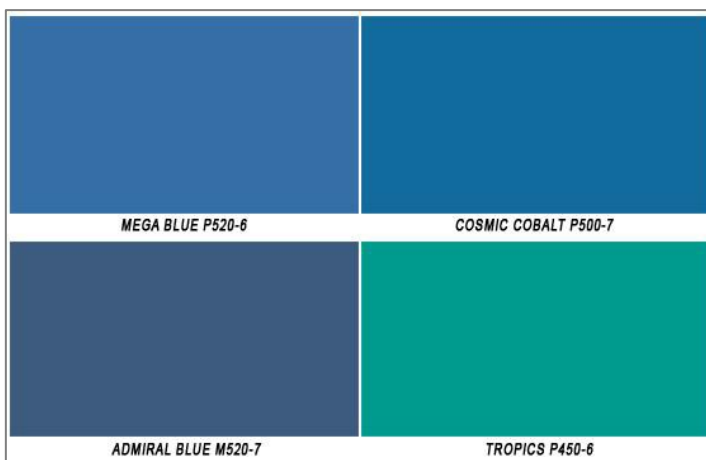
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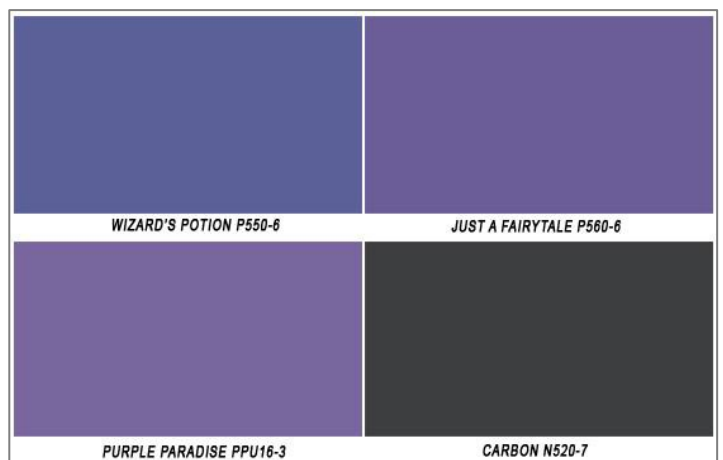
Accent Colors 3



Accent Colors 4



Accent Colors 5



Accent Colors 6

Color Scheme 1

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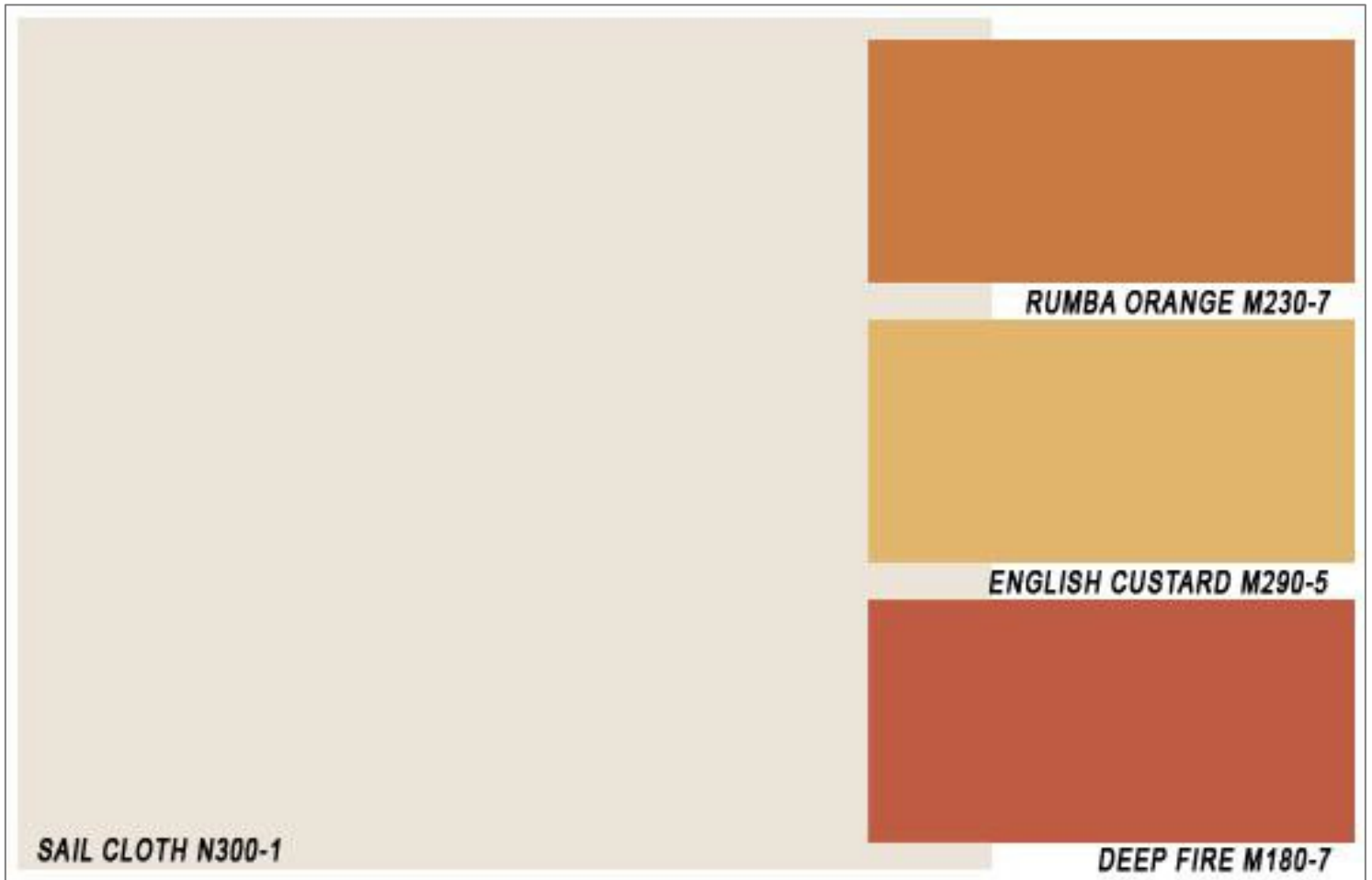
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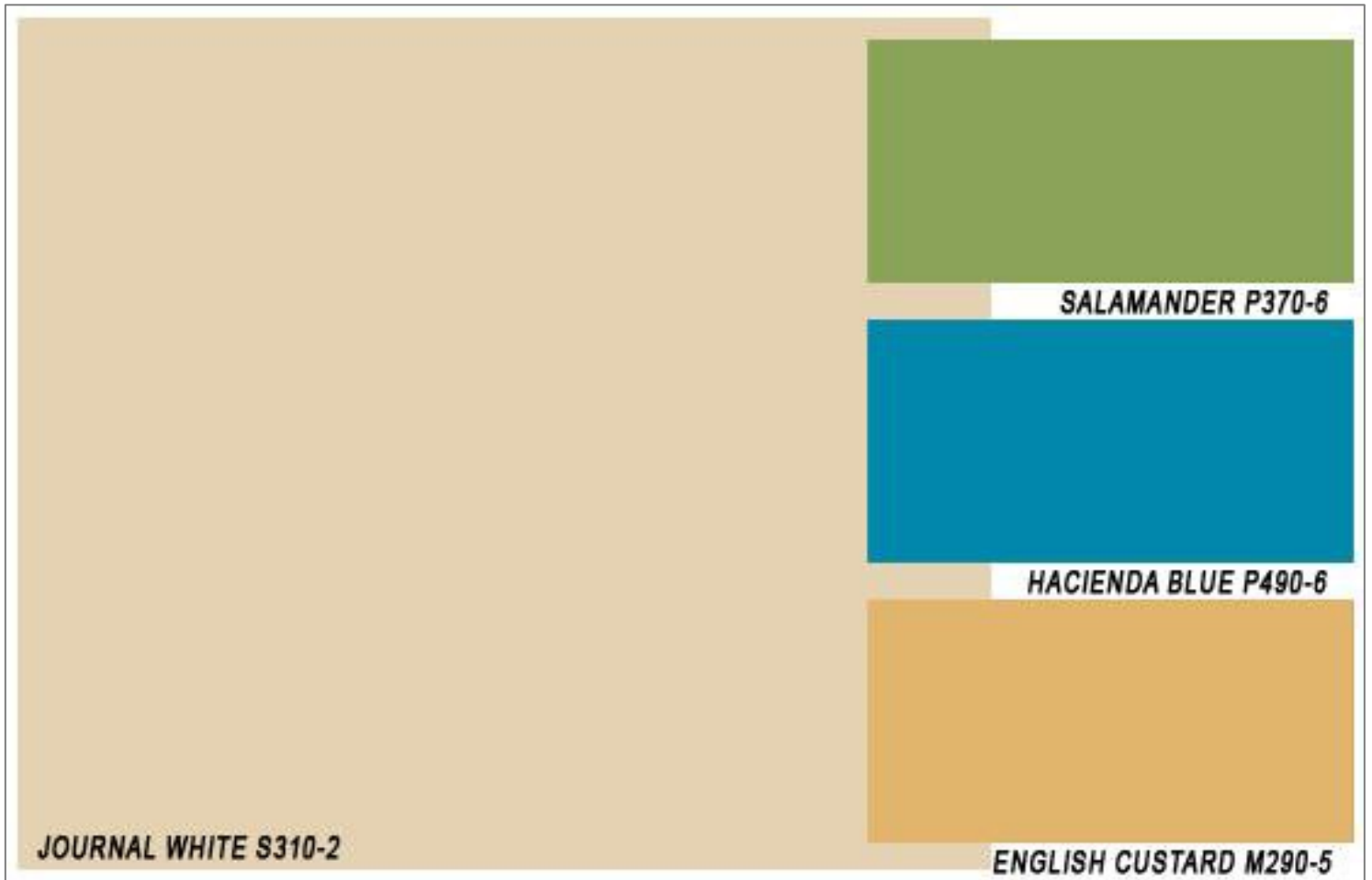
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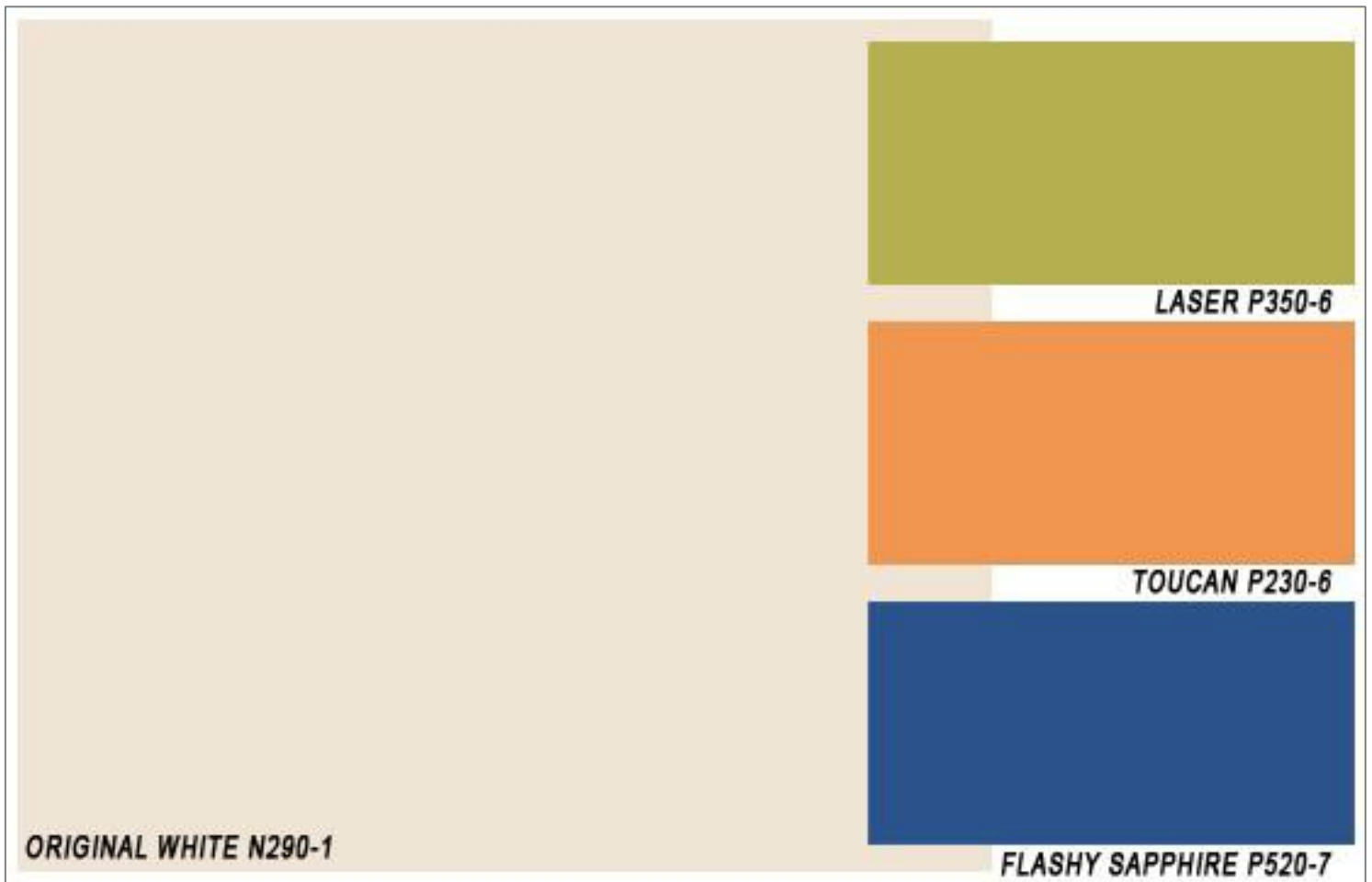
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Color Scheme 4

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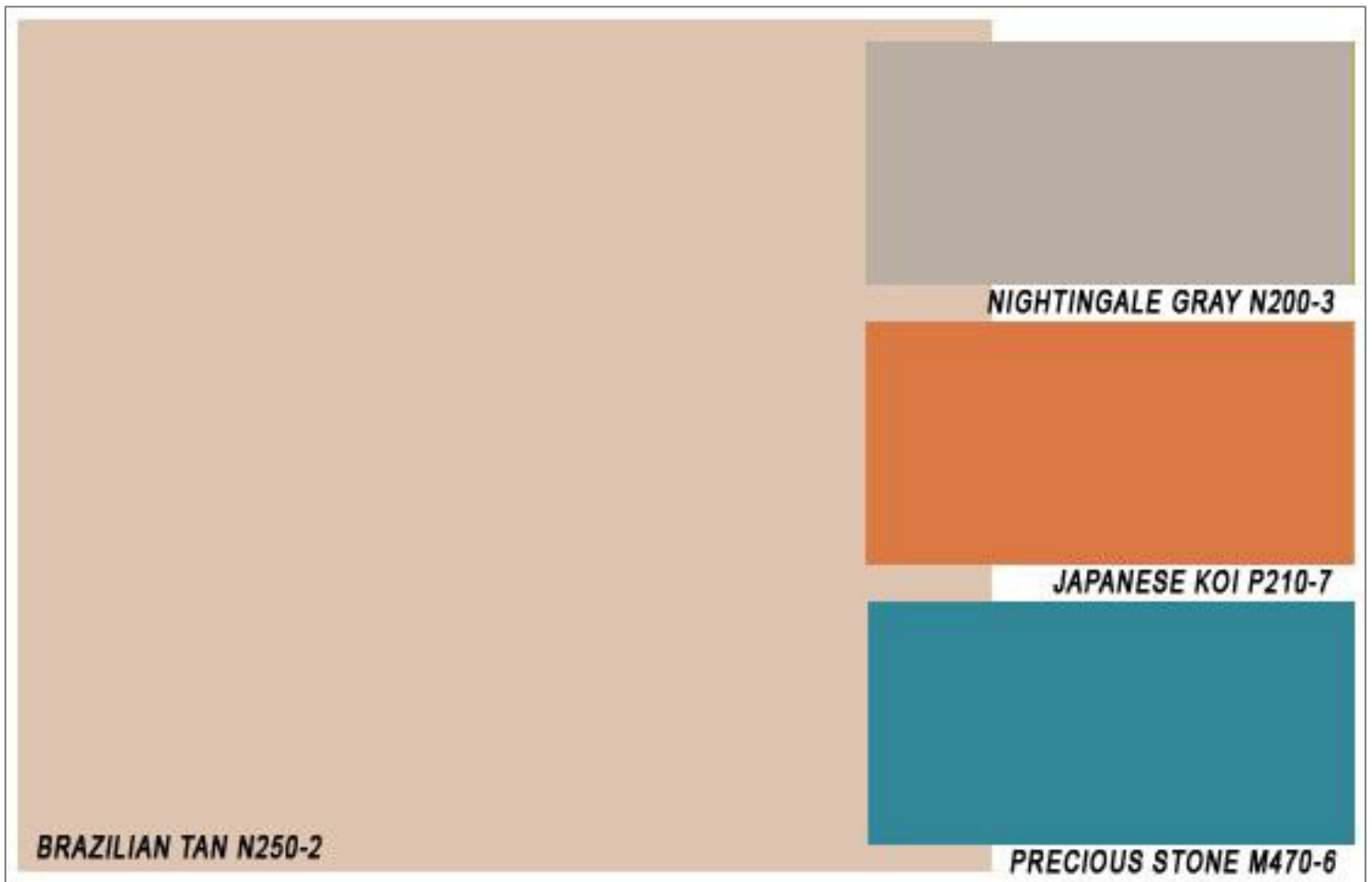
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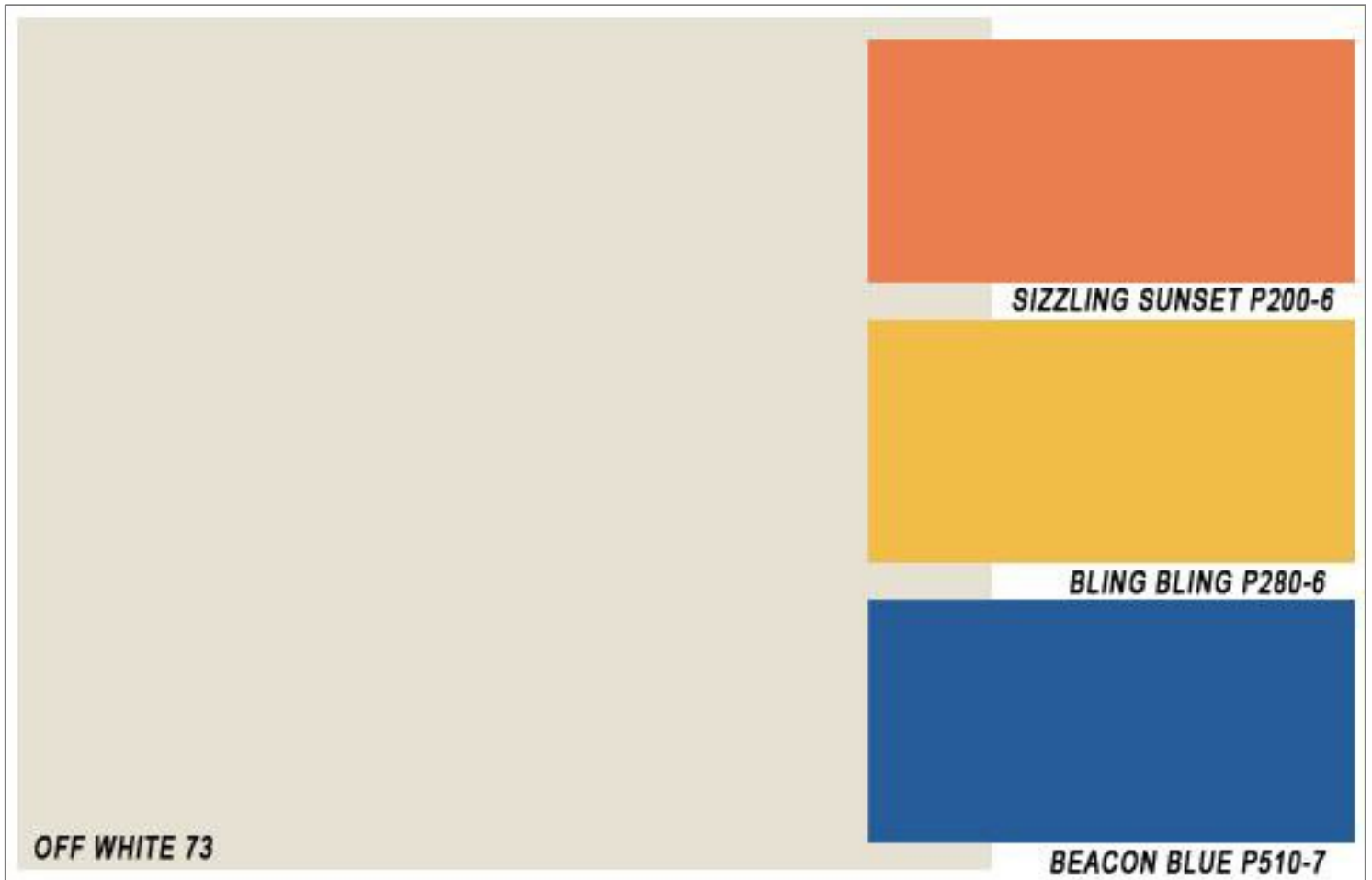
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Color Scheme 6

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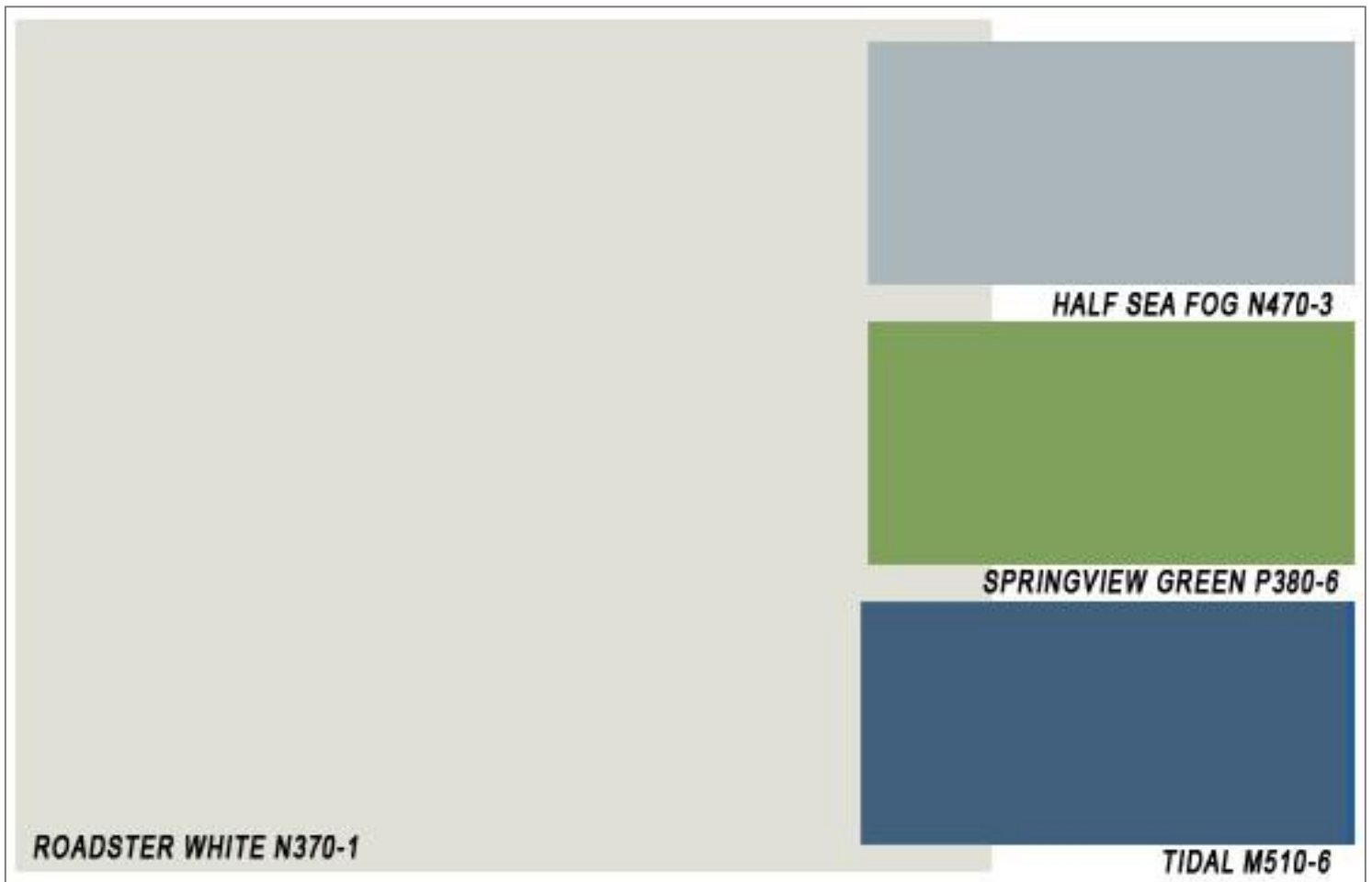
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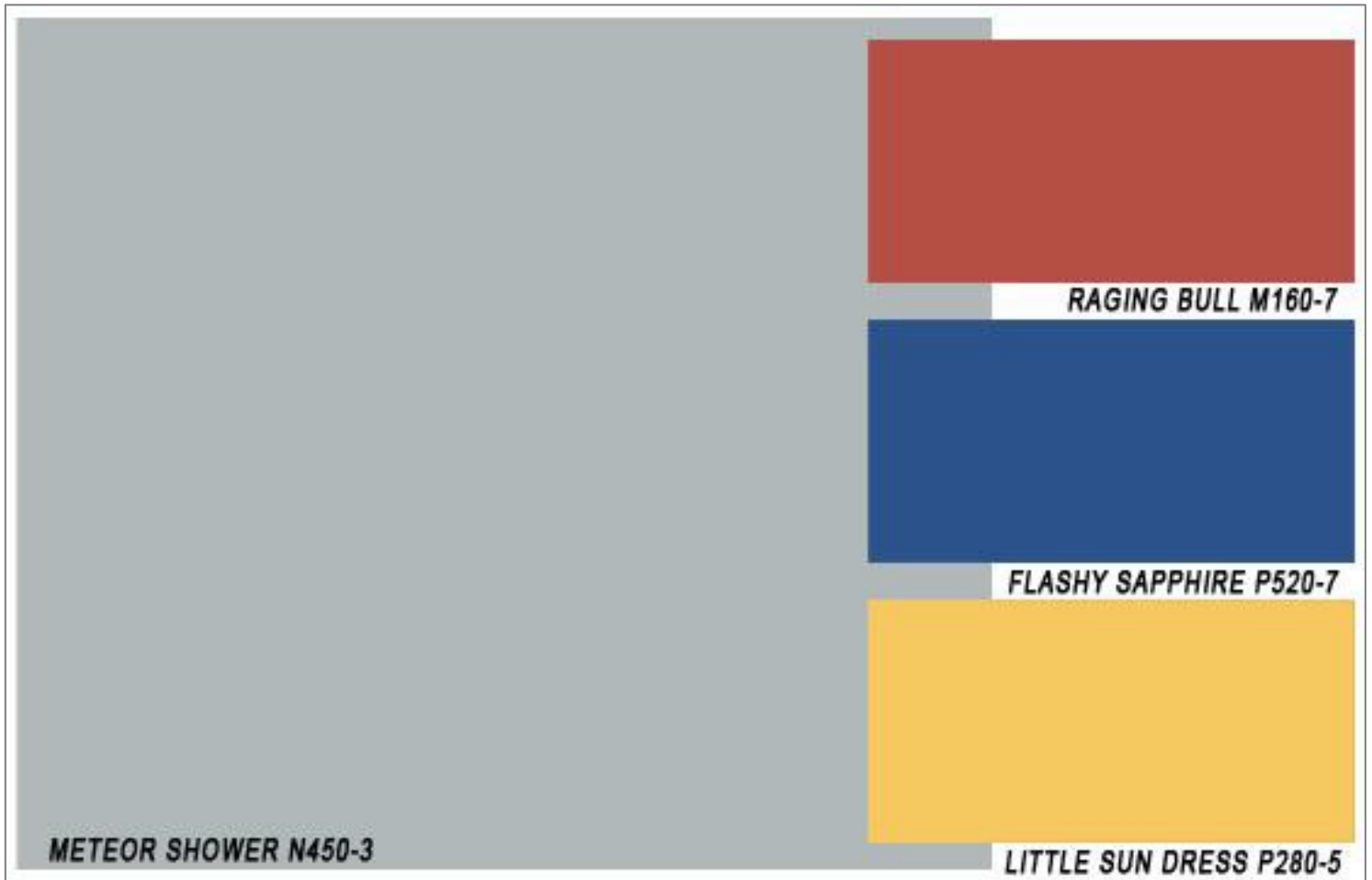
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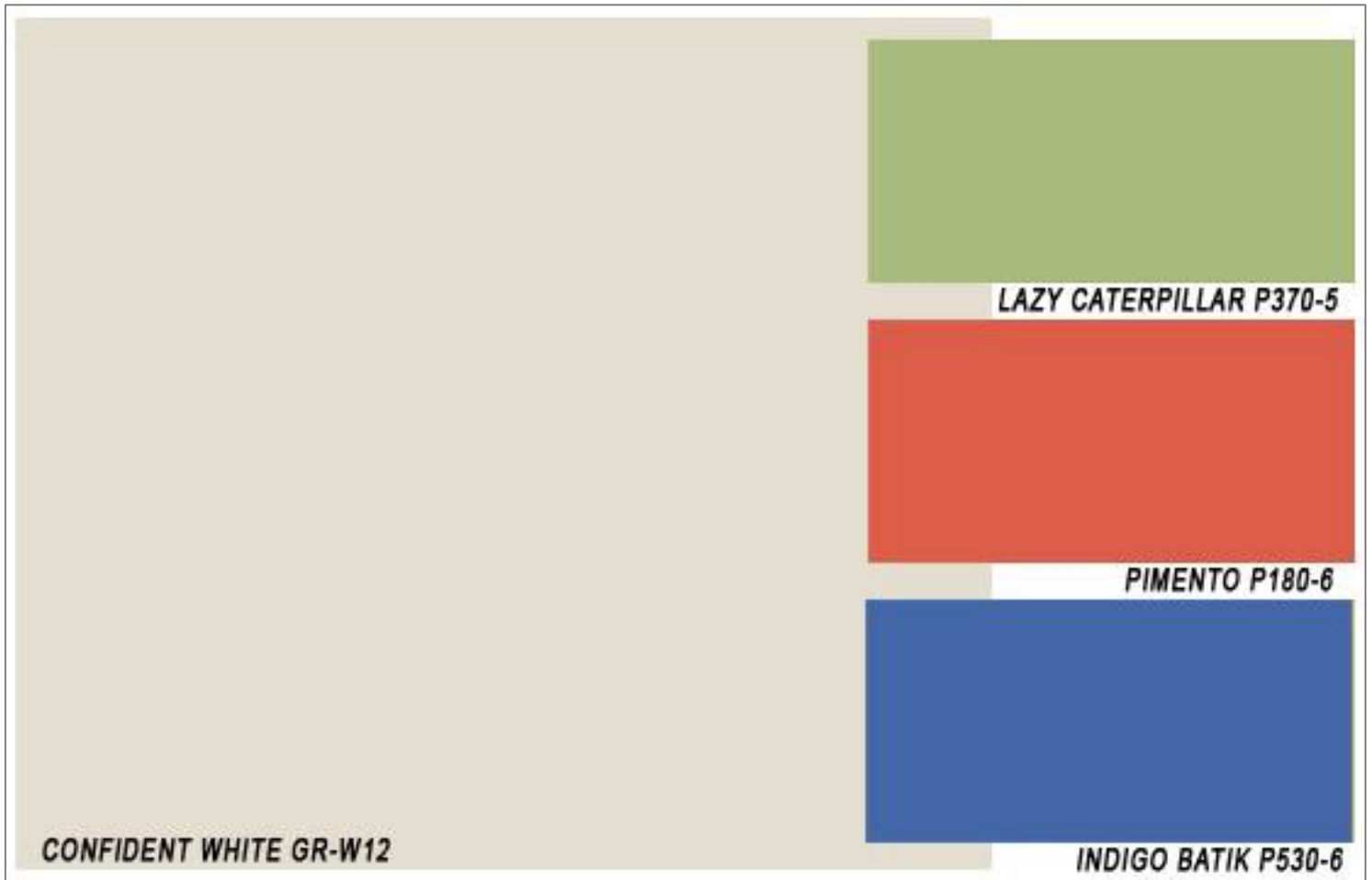
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Color Scheme 9

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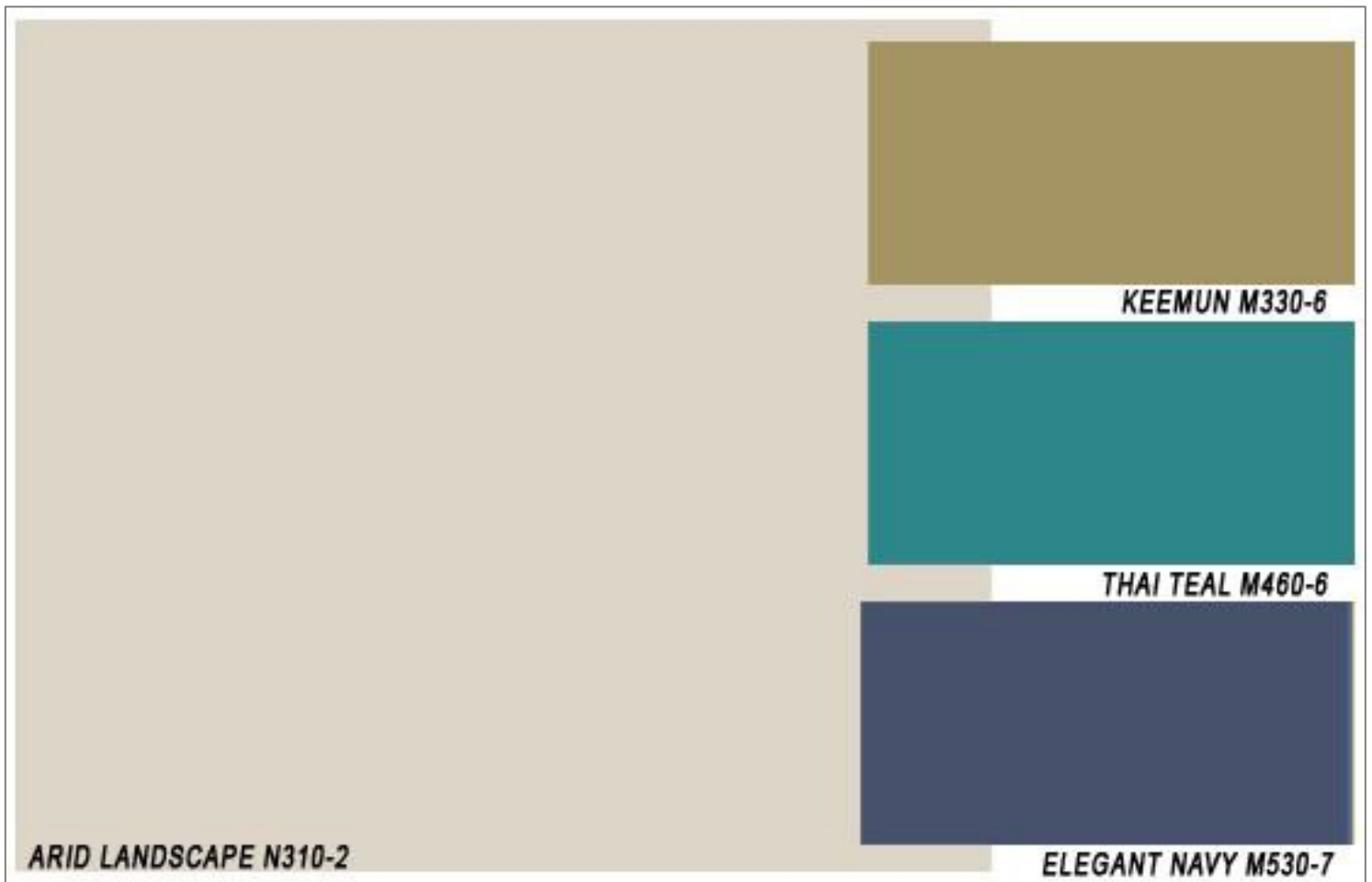
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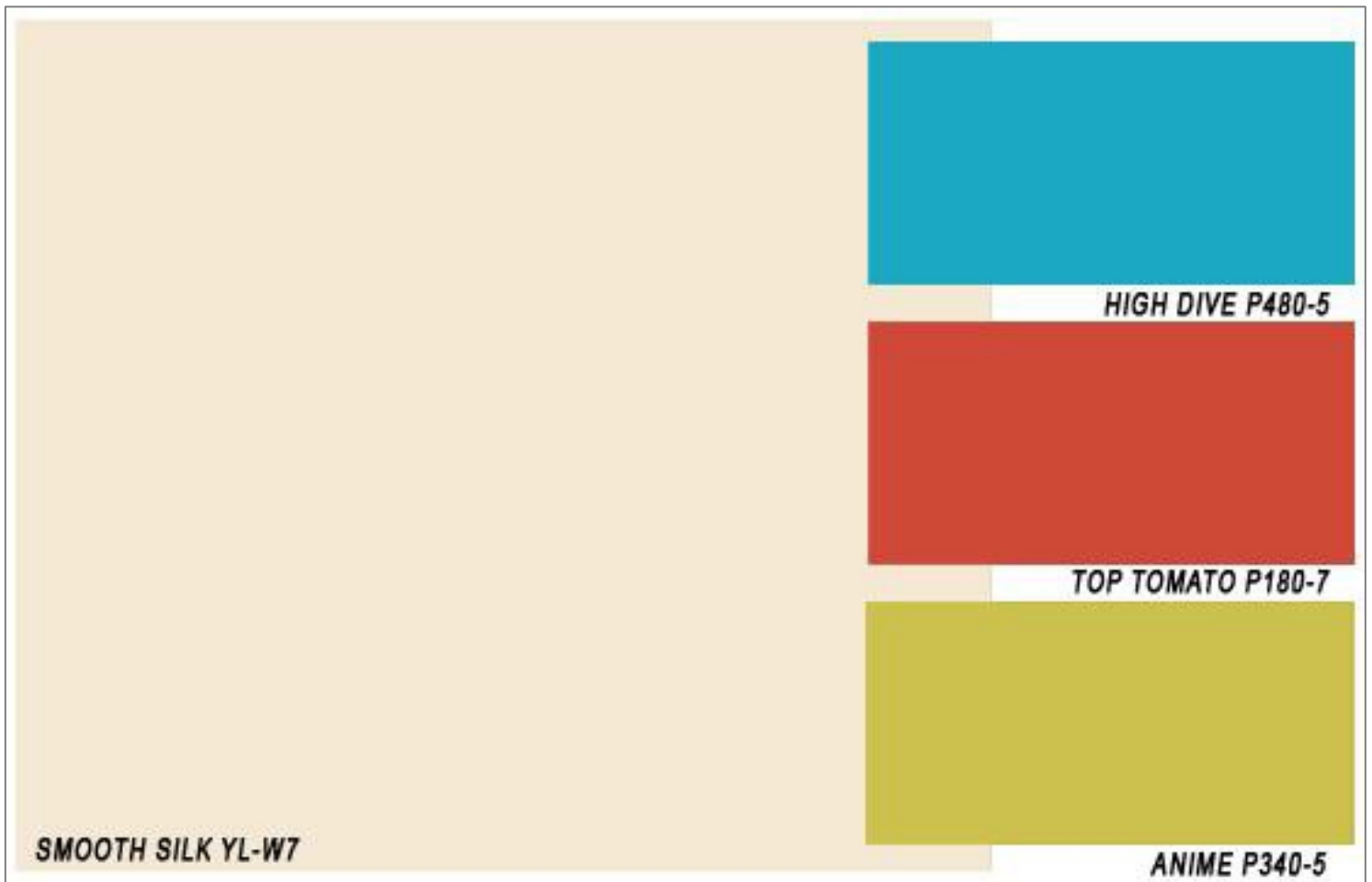
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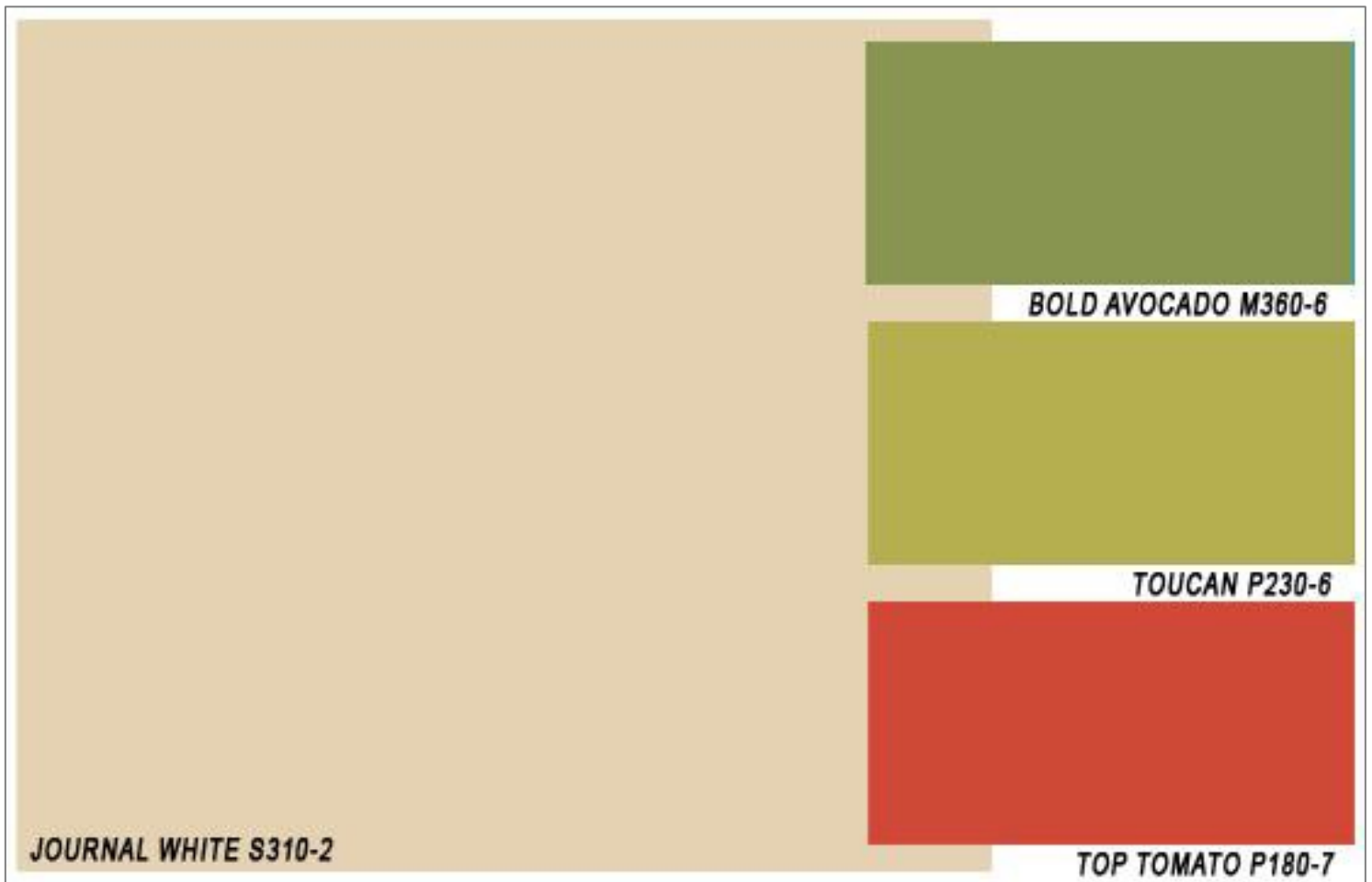
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Color Scheme 12

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Accent Color 1

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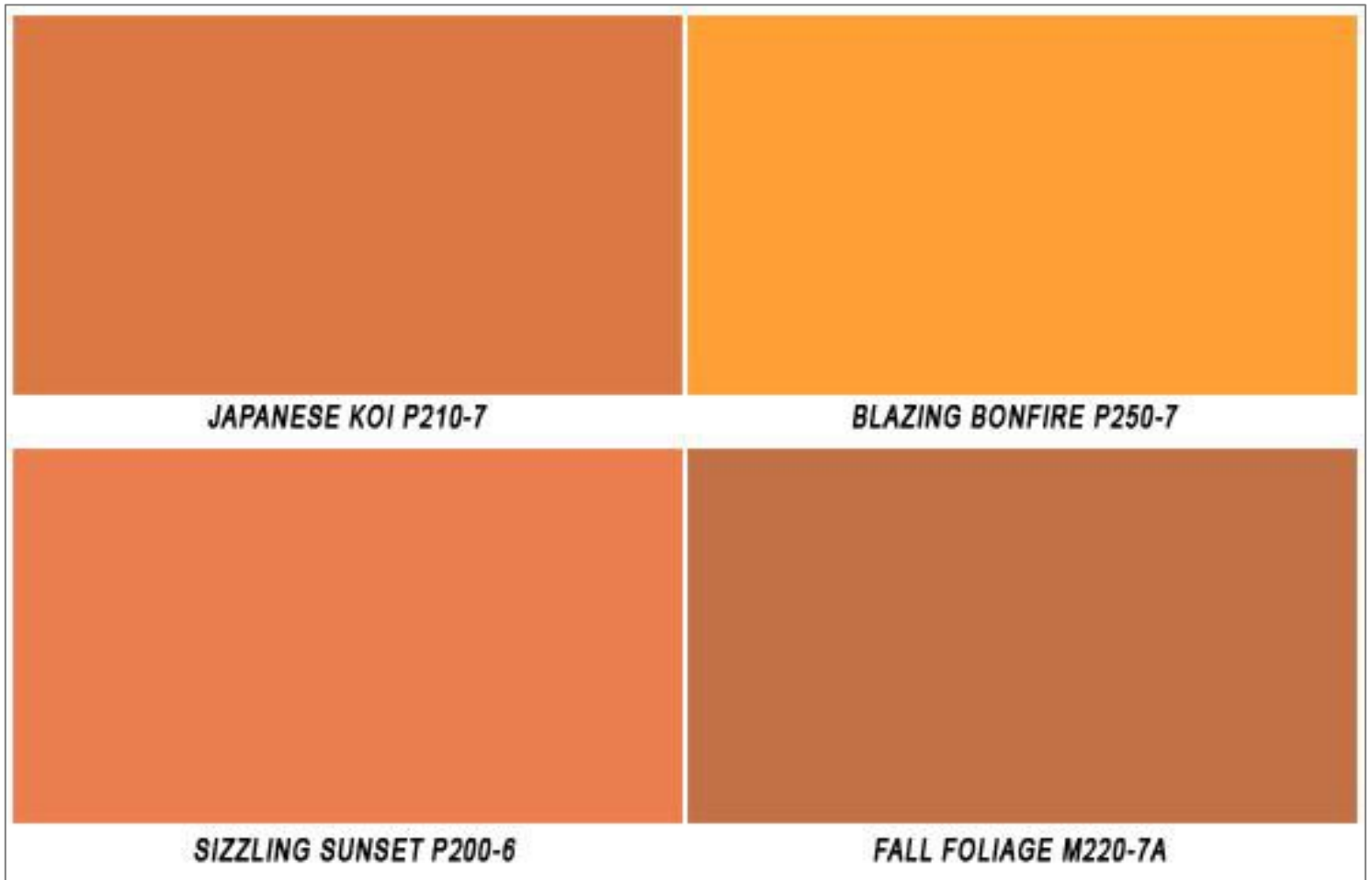
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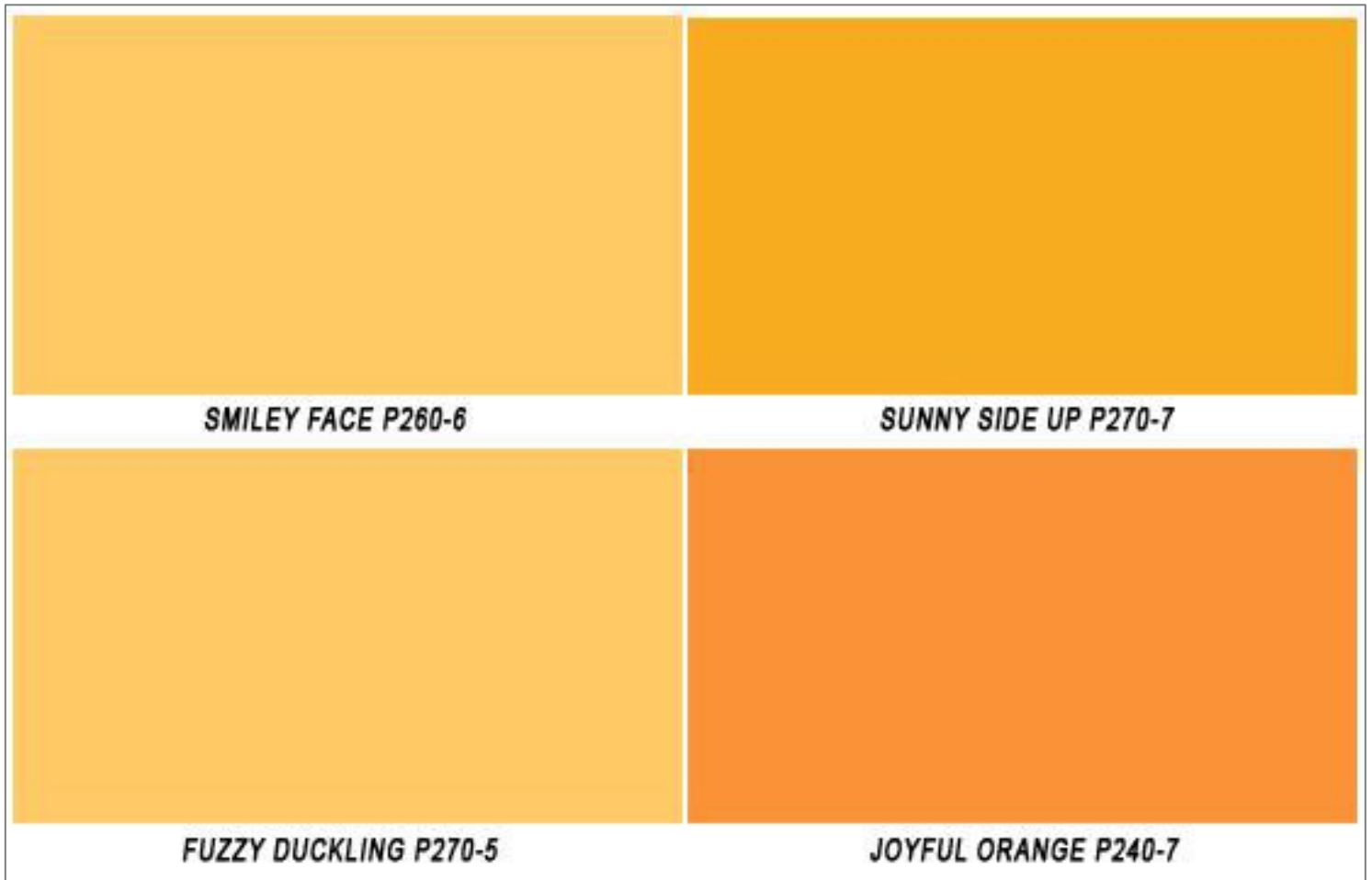
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Accent Color 3

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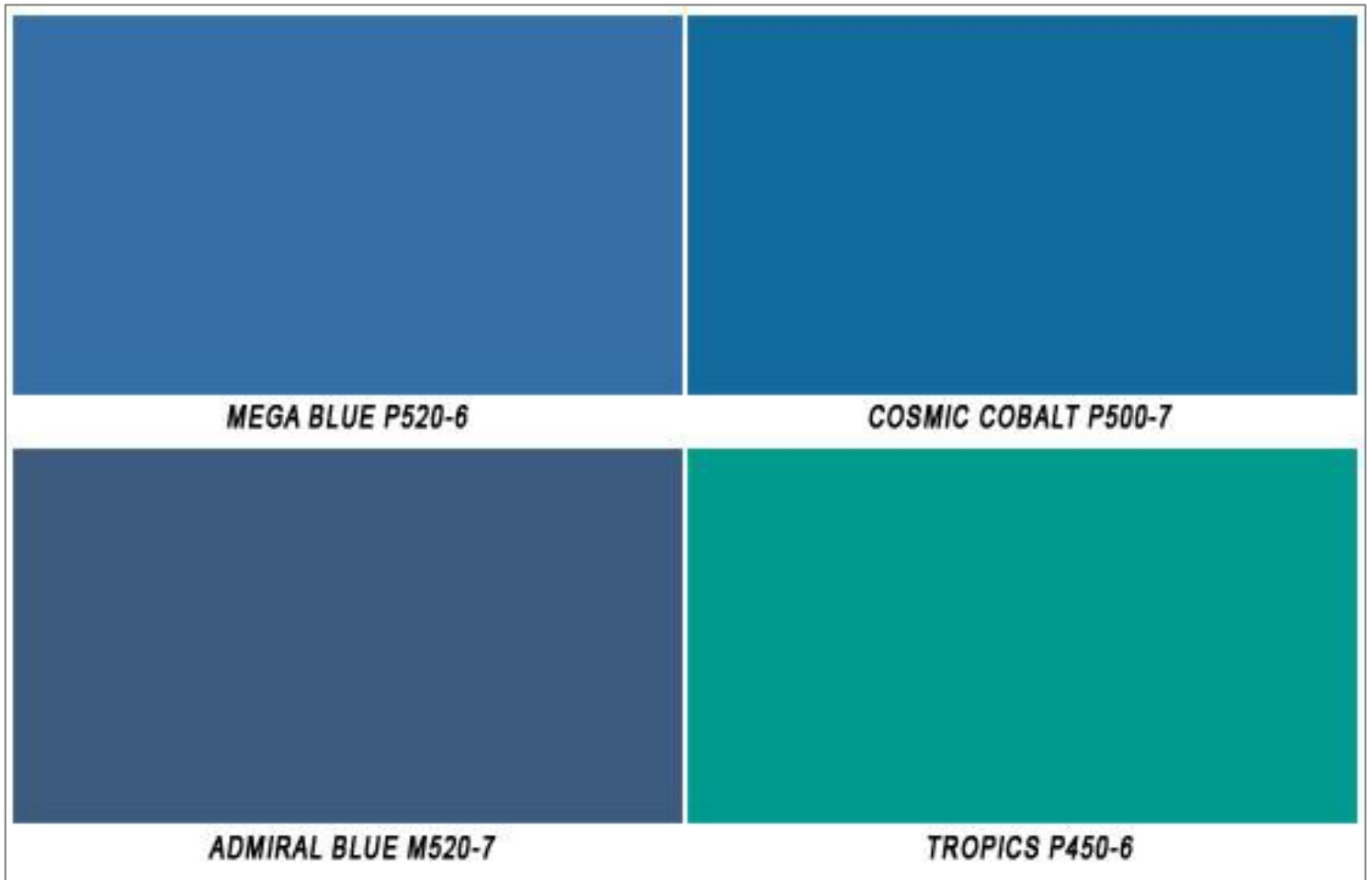
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HIGH/MIDDLE SCHOOLS COLORS LIST		
Scheme 1	AUTHENTIC TAN N290-2	Primary
	<u>COCO N270-3</u>	
	<u>COLORFUL LEAVES M190-7</u>	
	<u>OPTIMUM BLUE M540-7</u>	

Scheme 2	WHITE MOCHA OR-W11	Primary
	<u>DESERT KHAKI N310-4</u>	
	<u>JAPANESE KOI P210-7</u>	
	<u>COFFEE BEANS N150-6</u>	

Scheme 3	CREME FRAICHE S240-1	Primary
	<u>SONORAN DESERT N240-3</u>	
	<u>RODEO TAN N240-5</u>	
	<u>TORNADO SEASON S450-6</u>	

Scheme 4	SLENDER REED S290-3	Primary
	<u>OCTOBER LEAVES S210-7</u>	
	<u>CAMPING TENT N320-4</u>	
	<u>SUBMARINE GRAY N470-7</u>	

Scheme 5	CASUAL KHAKI N300-3	Primary
	<u>ROASTED CASHEW S250-5</u>	
	<u>BITTER LEMON M310-6</u>	
	<u>SHIITAKE N220-4</u>	

Scheme 6	HAZY TRAIL N350-1	Primary
	<u>BATTLESHIP GRAY N360-4</u>	
	<u>LONGMEADOW S430-5</u>	
	<u>ICE CAVE M480-7</u>	

Scheme 7	SCROLL N280-1	Primary
	<u>ALMOND COOKIE S300-3</u>	
	<u>SPICED BERRY S150-6</u>	
	<u>MIDNIGHT IN THE TROPICS S480-7</u>	

HIGH/MIDDLE SCHOOLS COLORS LIST		
Scheme 8	NATURAL TWINE S310-3	Primary
	<u>CAMPING TENT N320-4</u>	
	<u>FALL FOLIAGE M220-7A</u>	
	<u>TOASTED PECAN S190-7</u>	

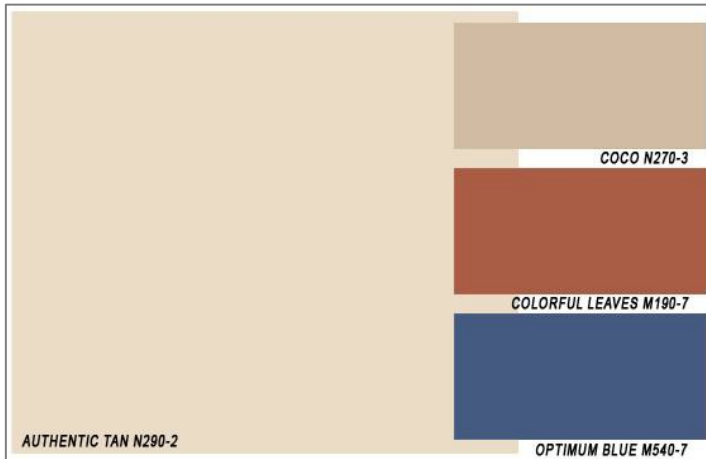
Scheme 9	SEASONED SALT S330-3	Primary
	<u>NIGHT FLIGHT S520-7</u>	
	<u>COMPLEX GRAY N140-5</u>	
	<u>DOUBLE FUDGE N130-7</u>	

Scheme 10	ASHEN TAN N220-2	Primary
	<u>WOODCRAFT N200-5</u>	
	<u>TRUE COPPER S180-7</u>	
	<u>MAYAN RUINS N300-7</u>	

Scheme 11	CANVAS LUGGAGE N300-2	Primary
	<u>ELEGANT NAVY M530-7</u>	
	<u>RUSTY GATE M200-7</u>	
	<u>ALFALFA EXTRACT M380-7</u>	

Scheme 12	CAMPFIRE ASH N320-1	Primary
	<u>RUMBA ORANGE M230-7</u>	
	<u>OPTIMUM BLUE M540-7</u>	
	<u>BATTLESHIP GRAY N360-4</u>	

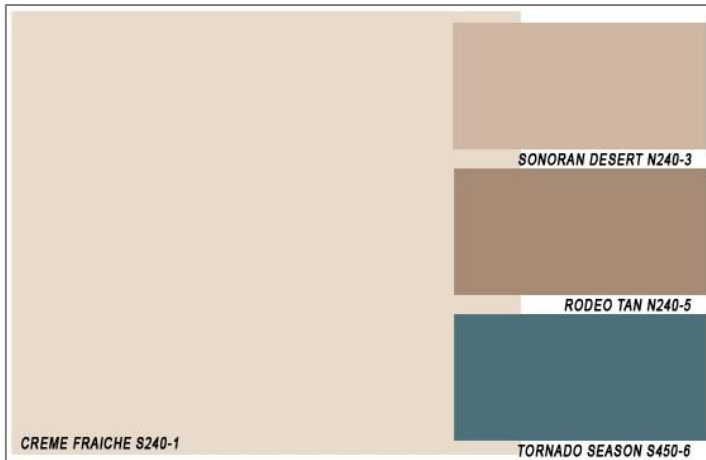
ACCENT	PARK PICNIC P390-7
ACCENT	100 MPH P170-7
ACCENT	EXTREME YELLOW P260-7
ACCENT	CORNFLOWER P520-4
ACCENT	VINTER M100-6
ACCENT	SHAMROCKGREEN P420-5
ACCENT	SPLENDOR GOLD P250-6
ACCENT	CALVARY BROWN N220-7



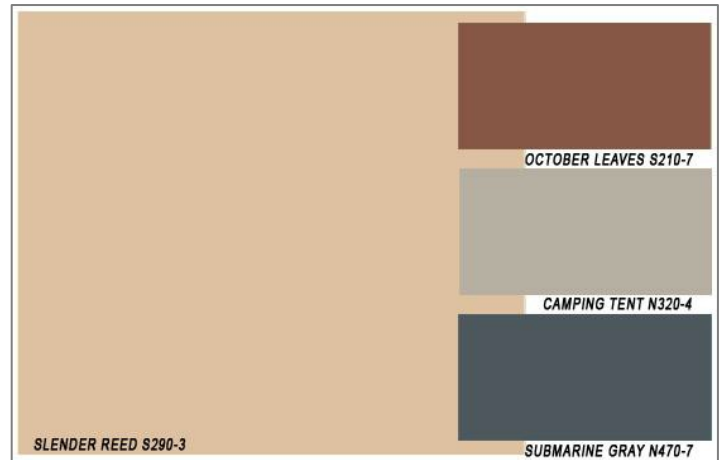
Color Scheme 1



Color Scheme 2



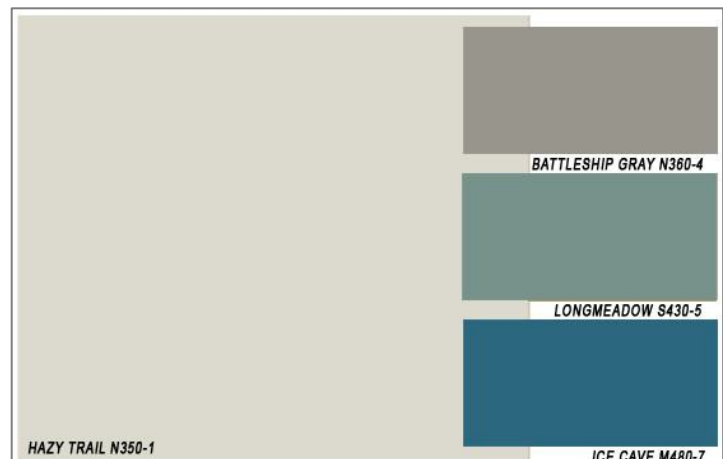
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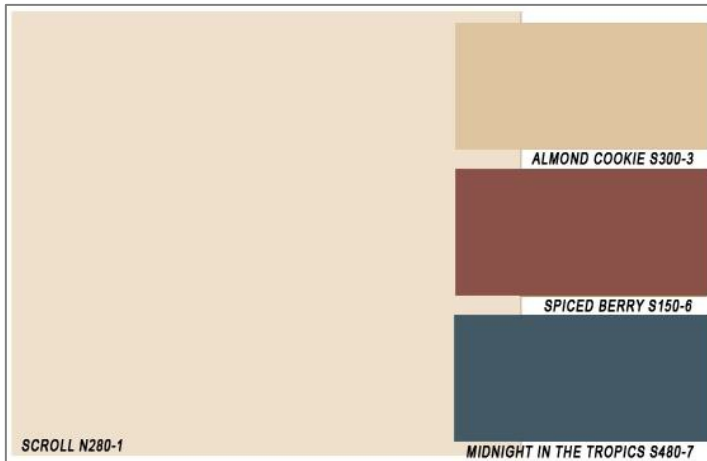
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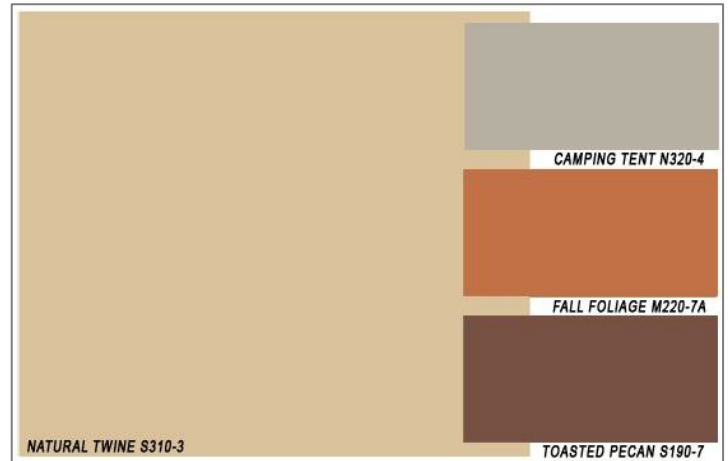
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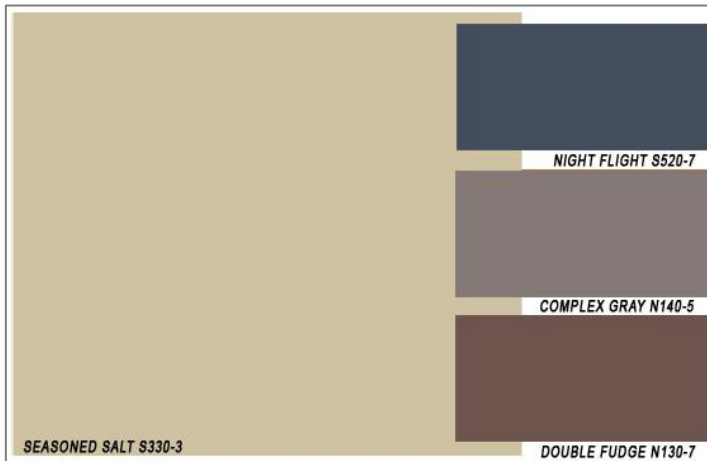
Color Scheme 6



Color Scheme 7



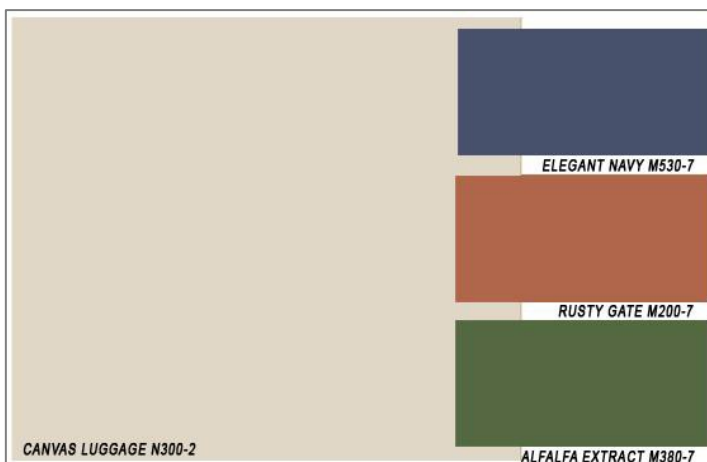
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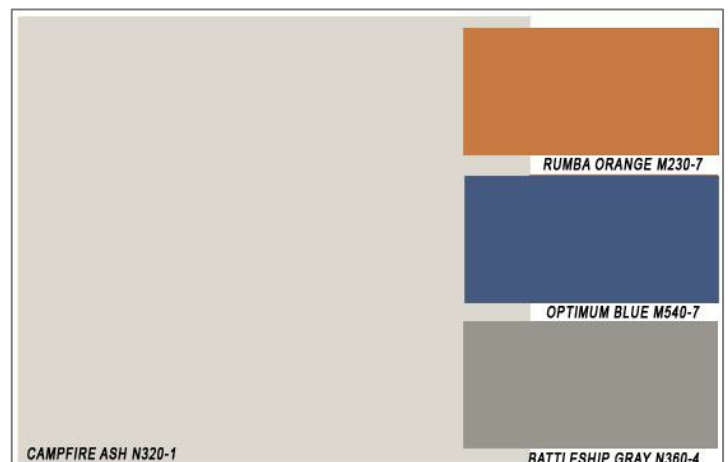
Color Scheme 9



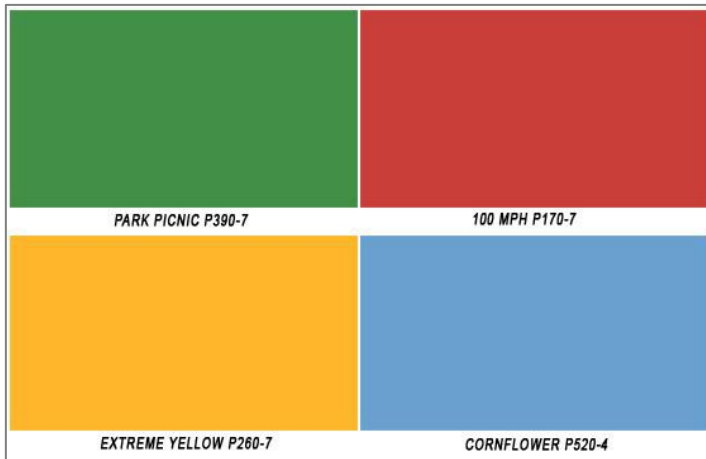
Color Scheme 10



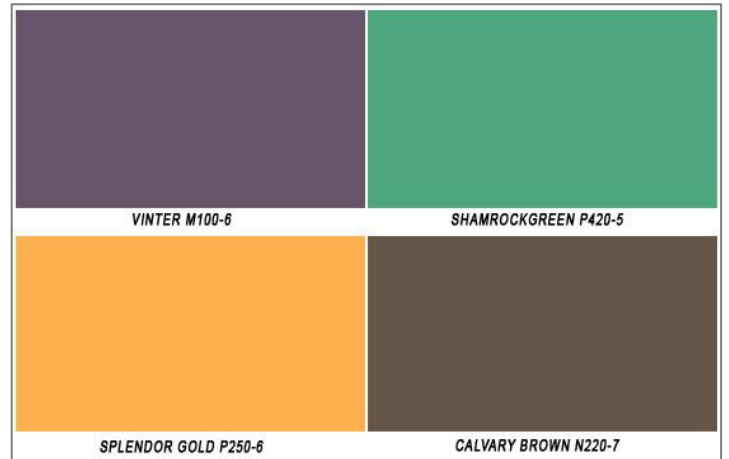
Color Scheme 11



Color Scheme 12



Accent Colors 1

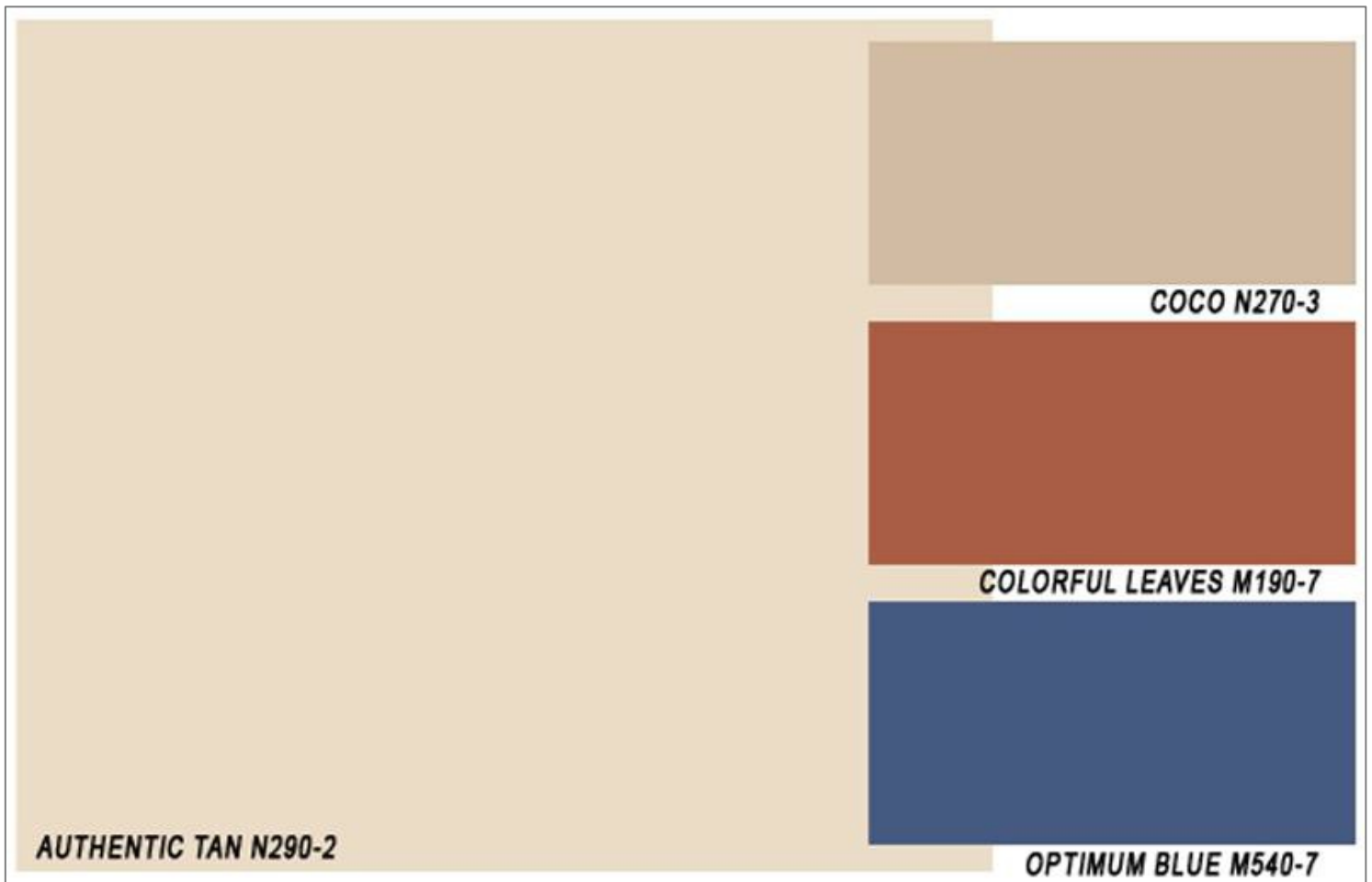


Accent Colors 2

Color Scheme 1

Click on the color name to visit Behr Color Smart

Click the arrow to



Color Scheme 2

Click on the color name to visit Behr Color Smart

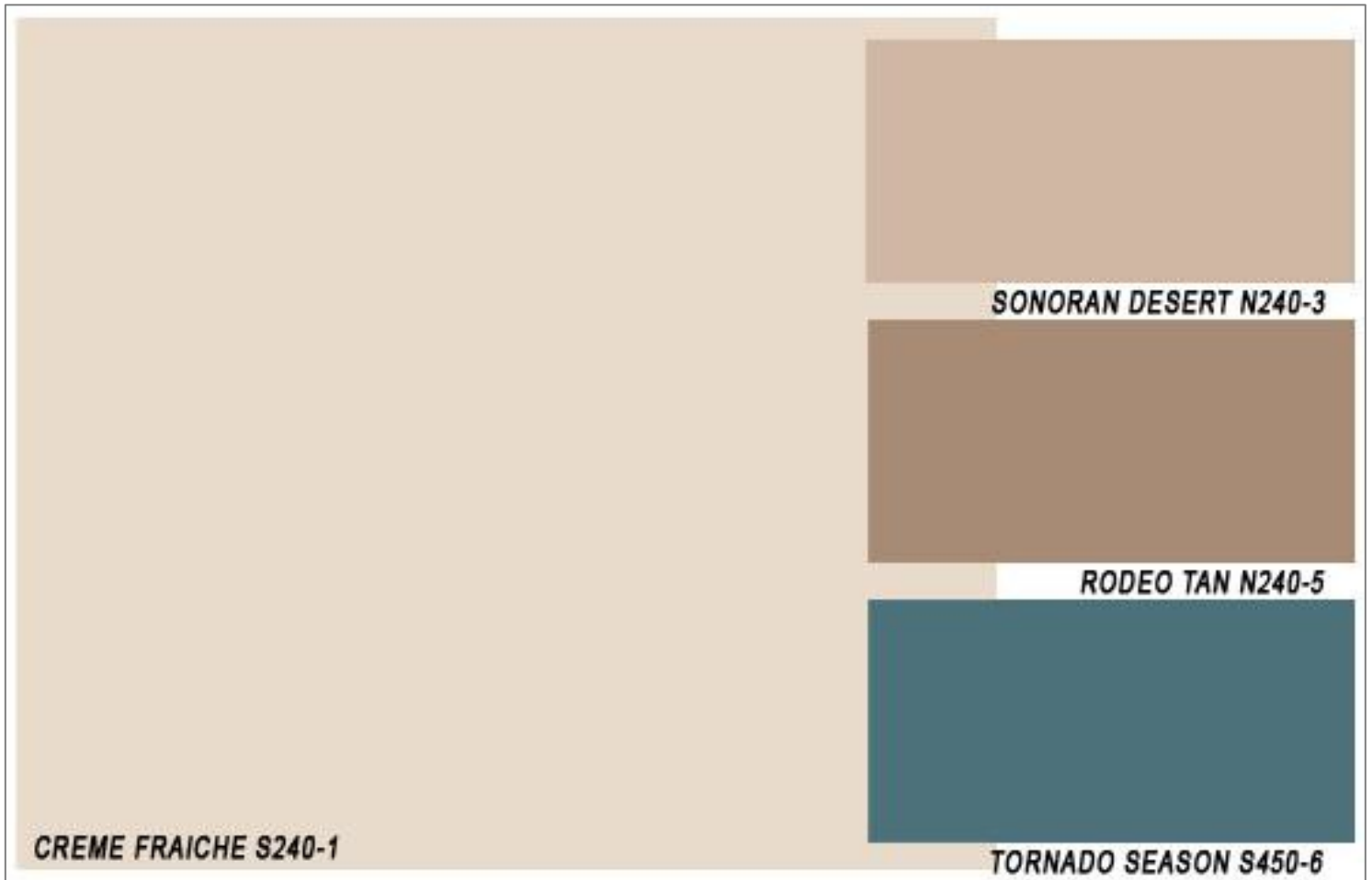
Click the arrow to



Color Scheme 3

Click on the color name to visit Behr Color Smart

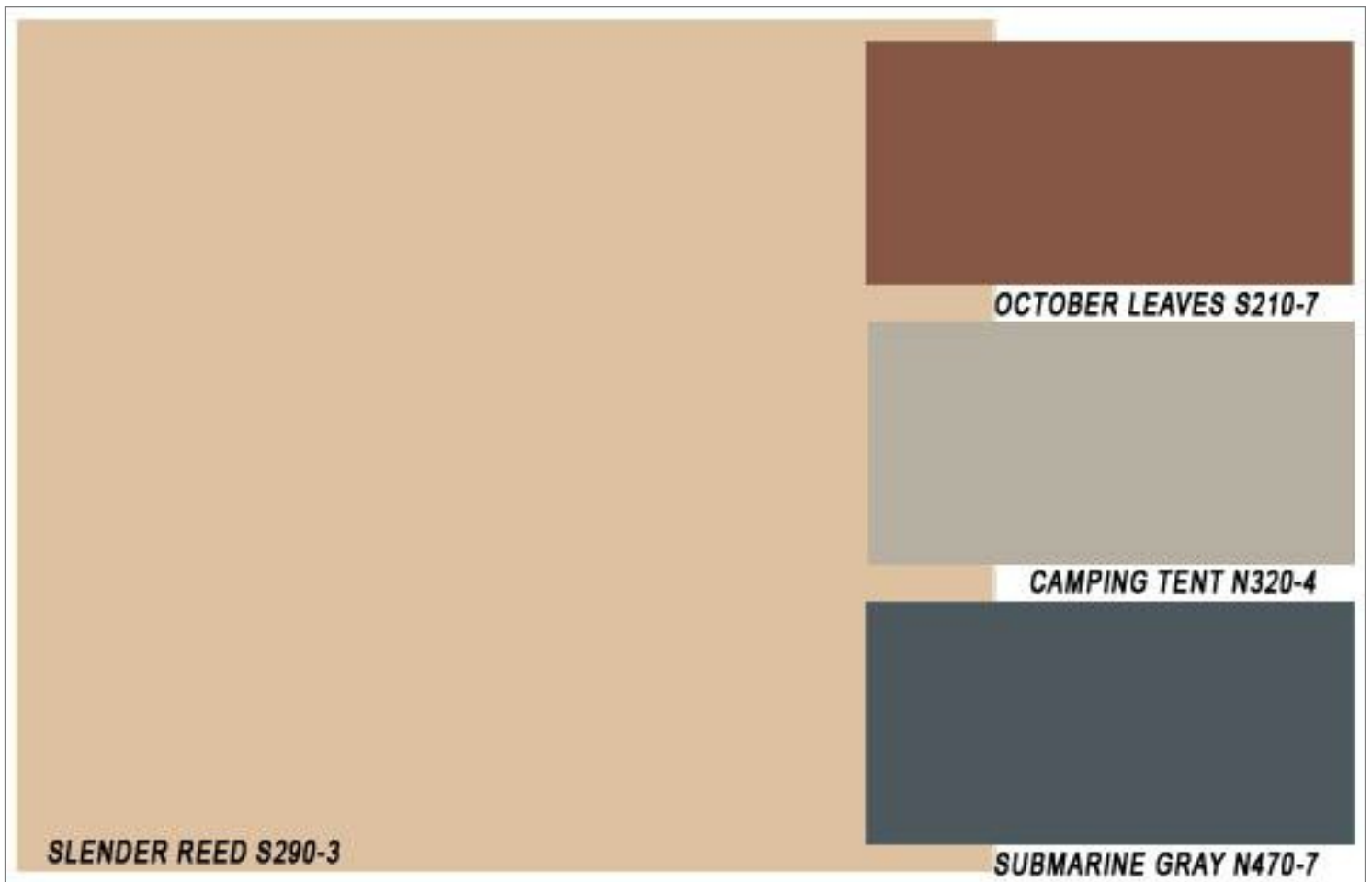
Click the arrow to



Color Scheme 4

Click on the color name to visit Behr Color Smart

Click the arrow to



Color Scheme 5

Click on the color name to visit Behr Color Smart

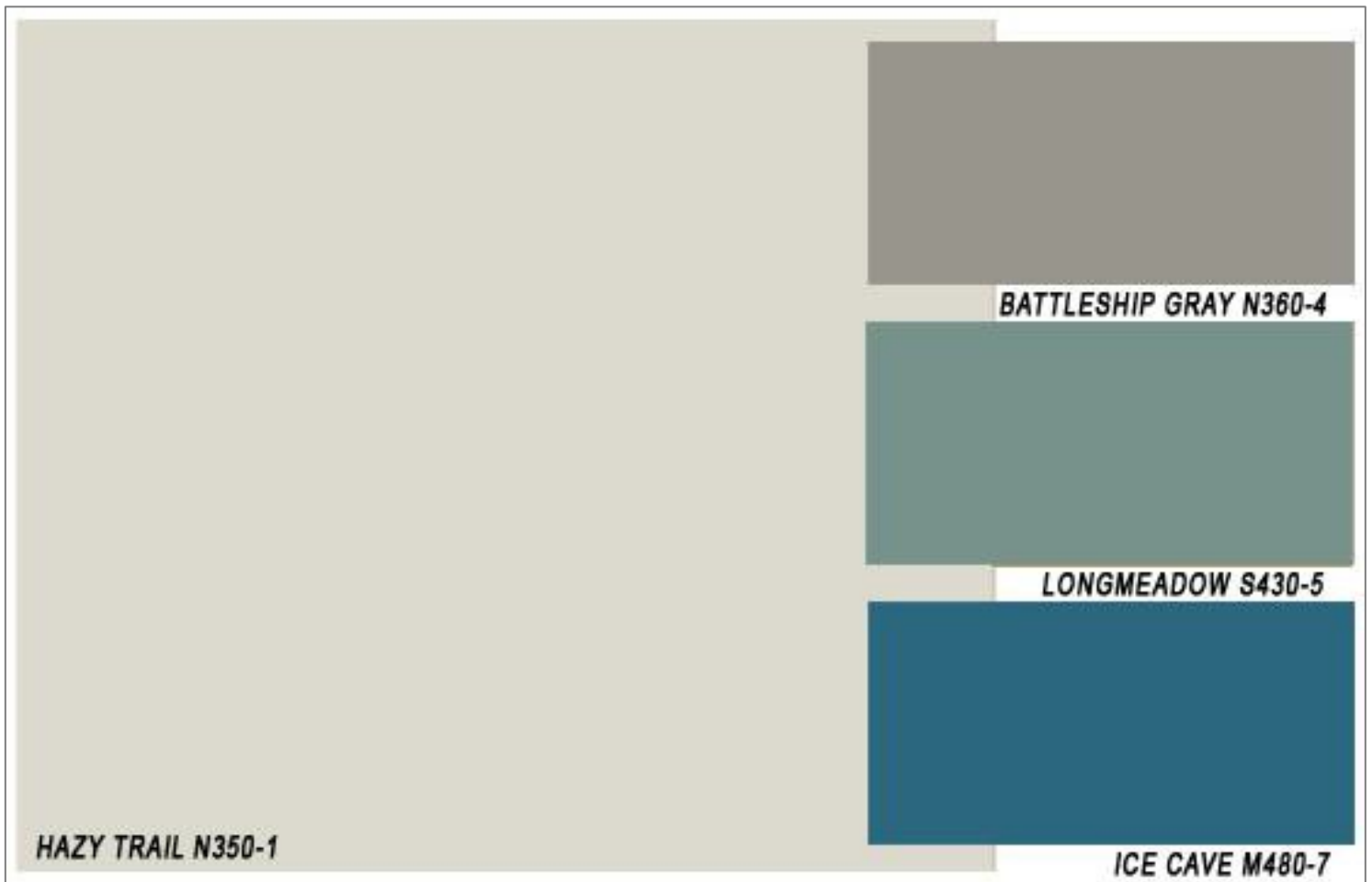
Click the arrow to



Color Scheme 6

Click on the color name to visit Behr Color Smart

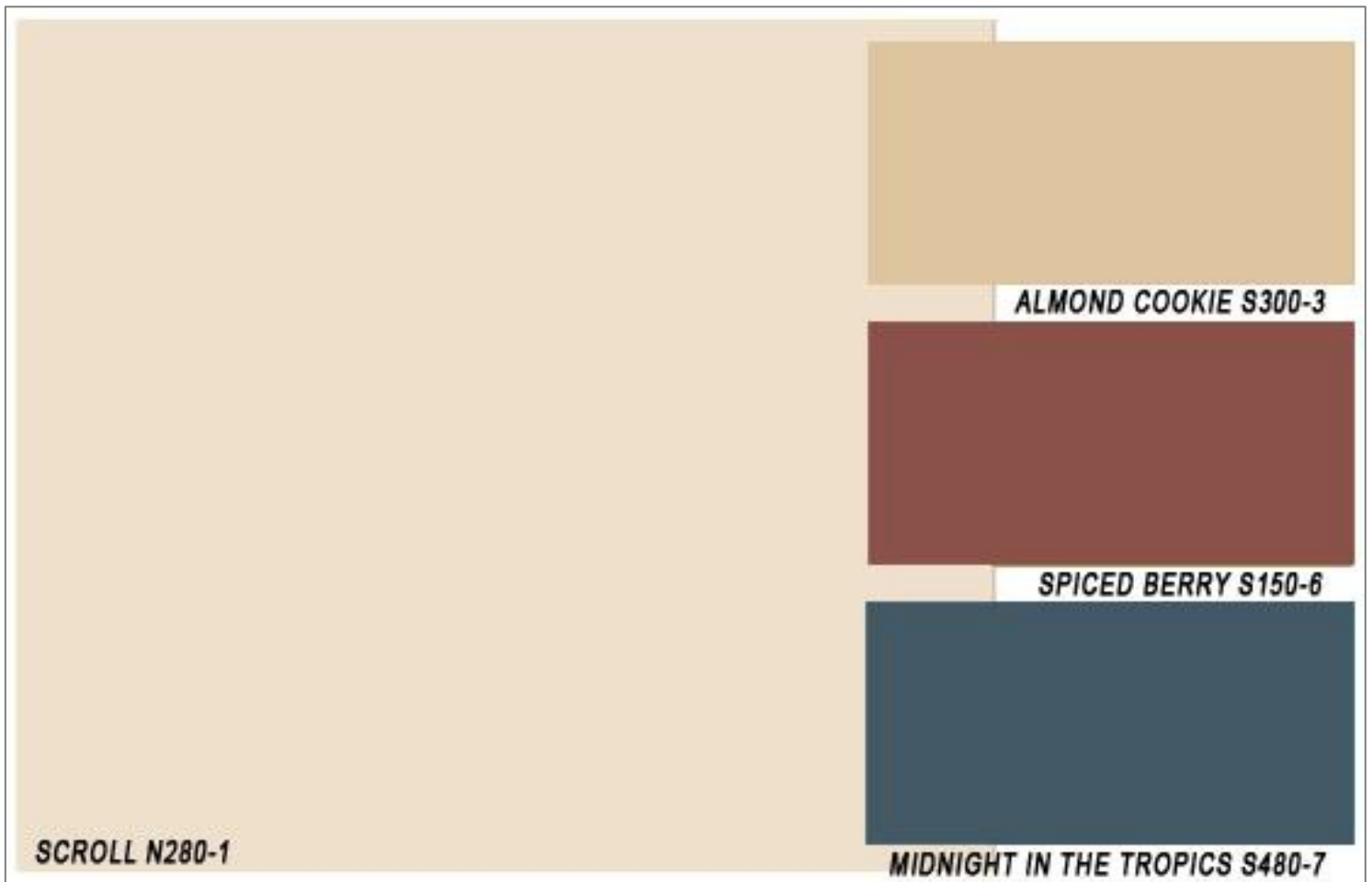
Click the arrow to



Color Scheme 7

Click on the color name to visit Behr Color Smart

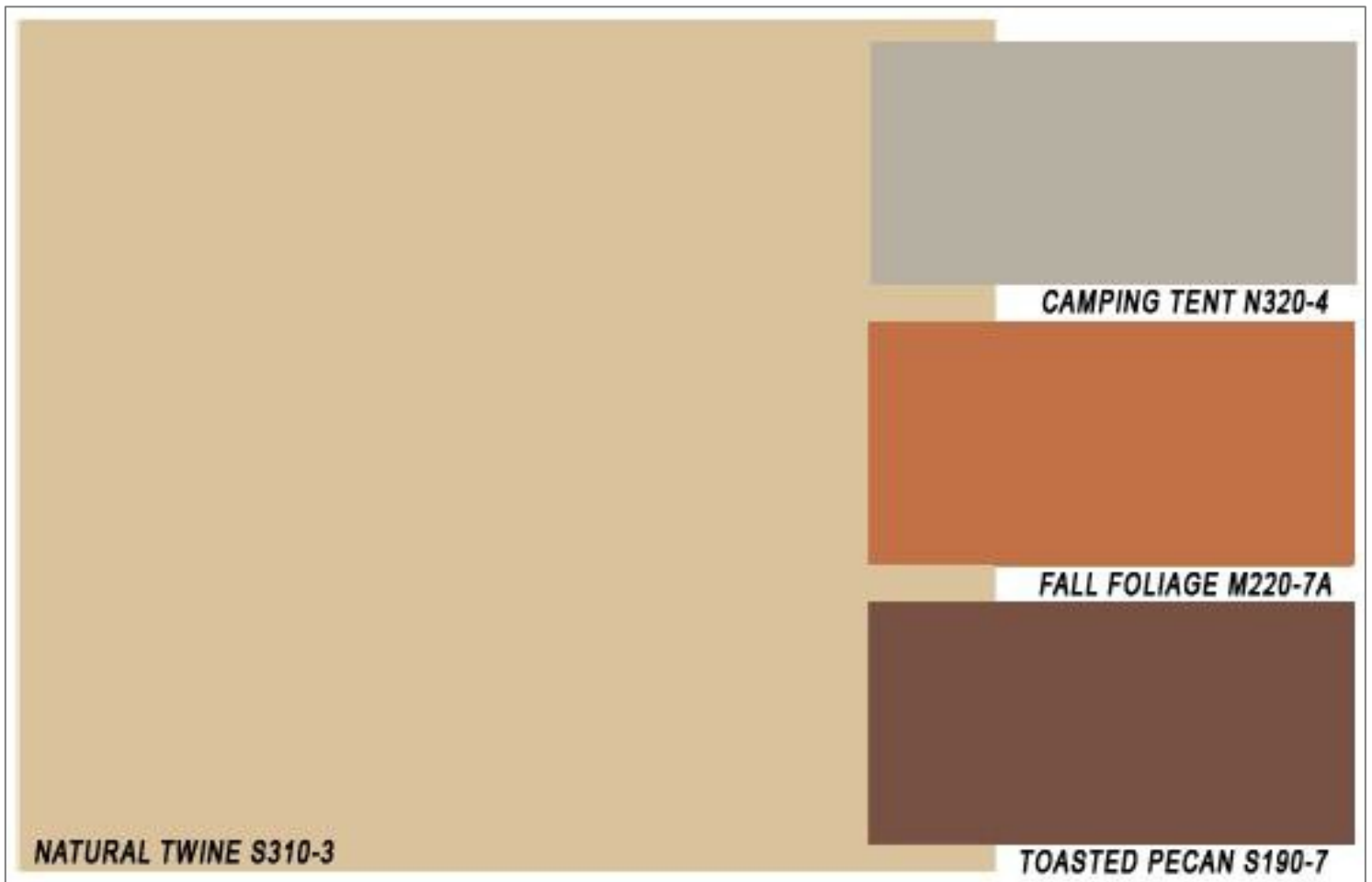
Click the arrow to



Color Scheme 8

Click on the color name to visit Behr Color Smart

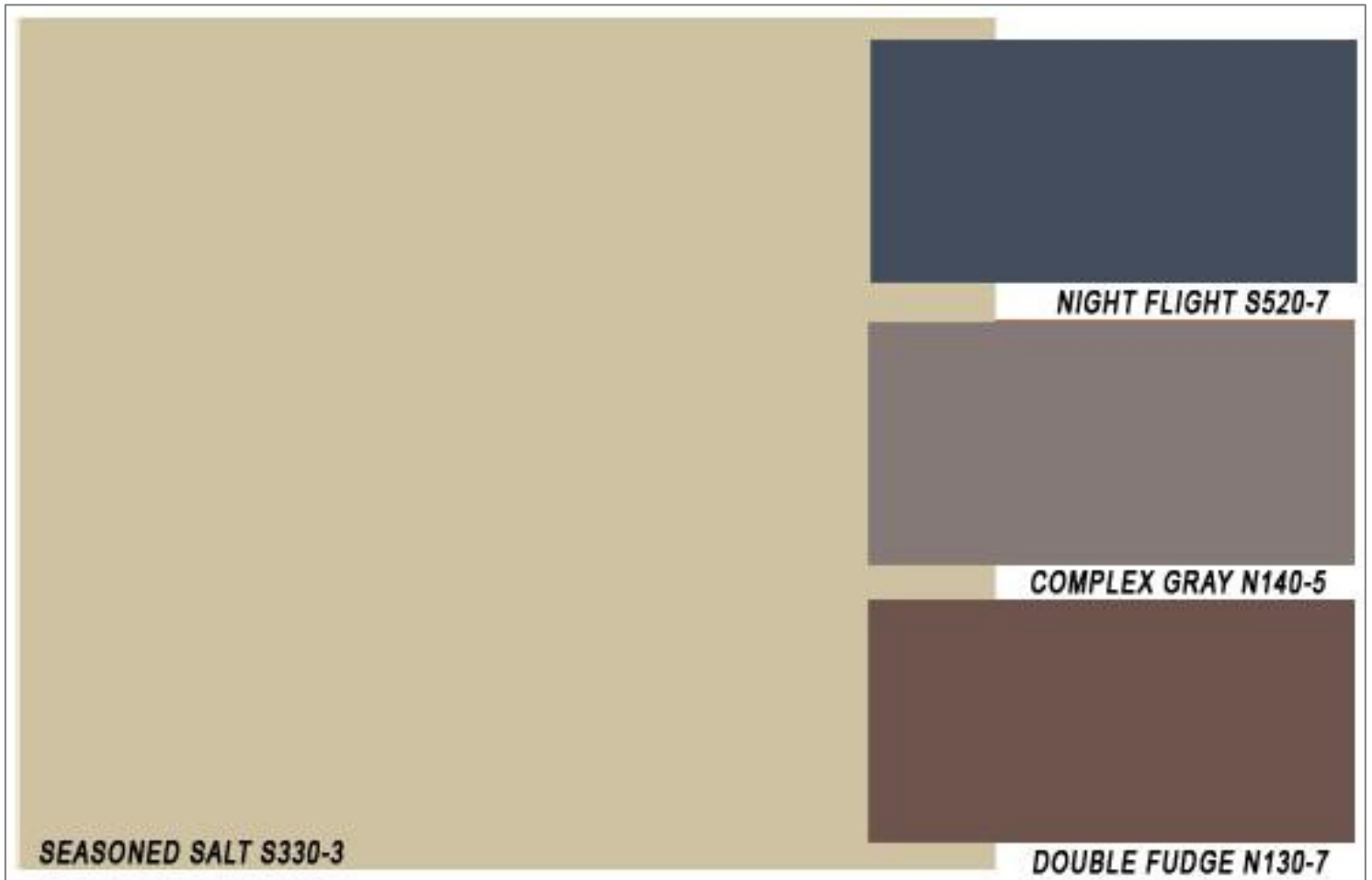
Click the arrow to



Color Scheme 9

Click on the color name to visit Behr Color Smart

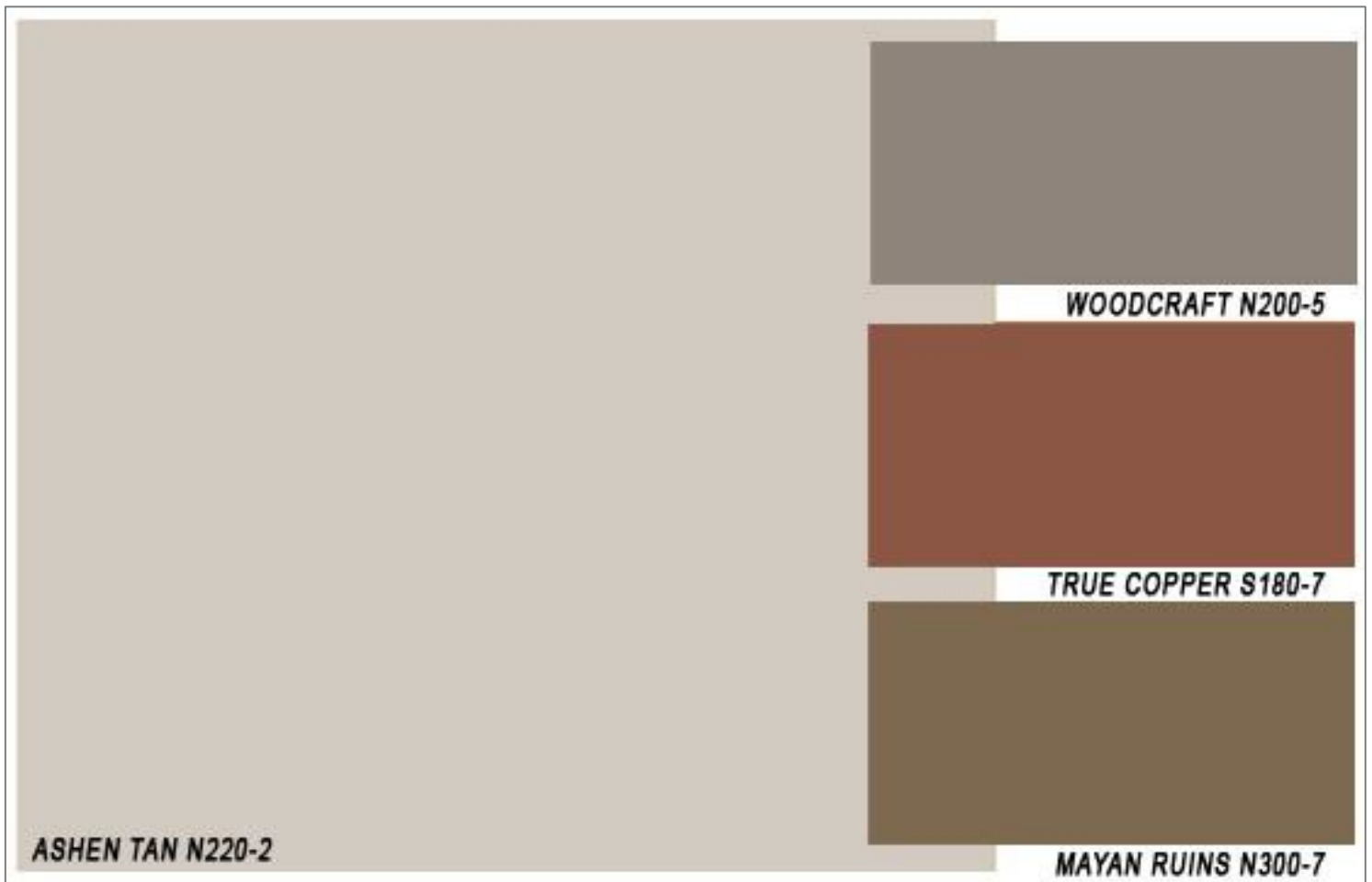
Click the arrow to



Color Scheme 10

Click on the color name to visit Behr Color Smart

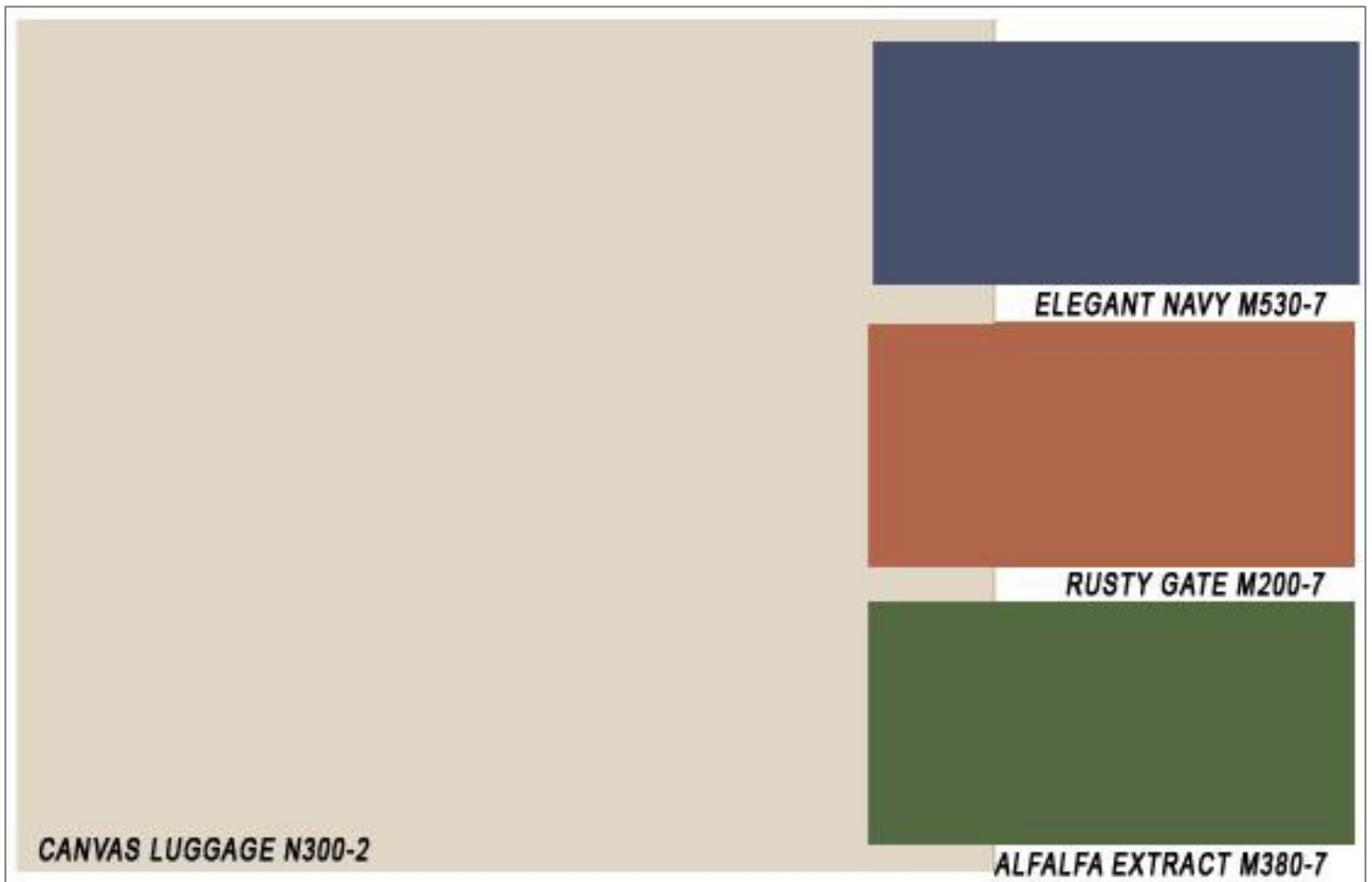
Click the arrow to



Color Scheme 11

Click on the color name to visit Behr Color Smart

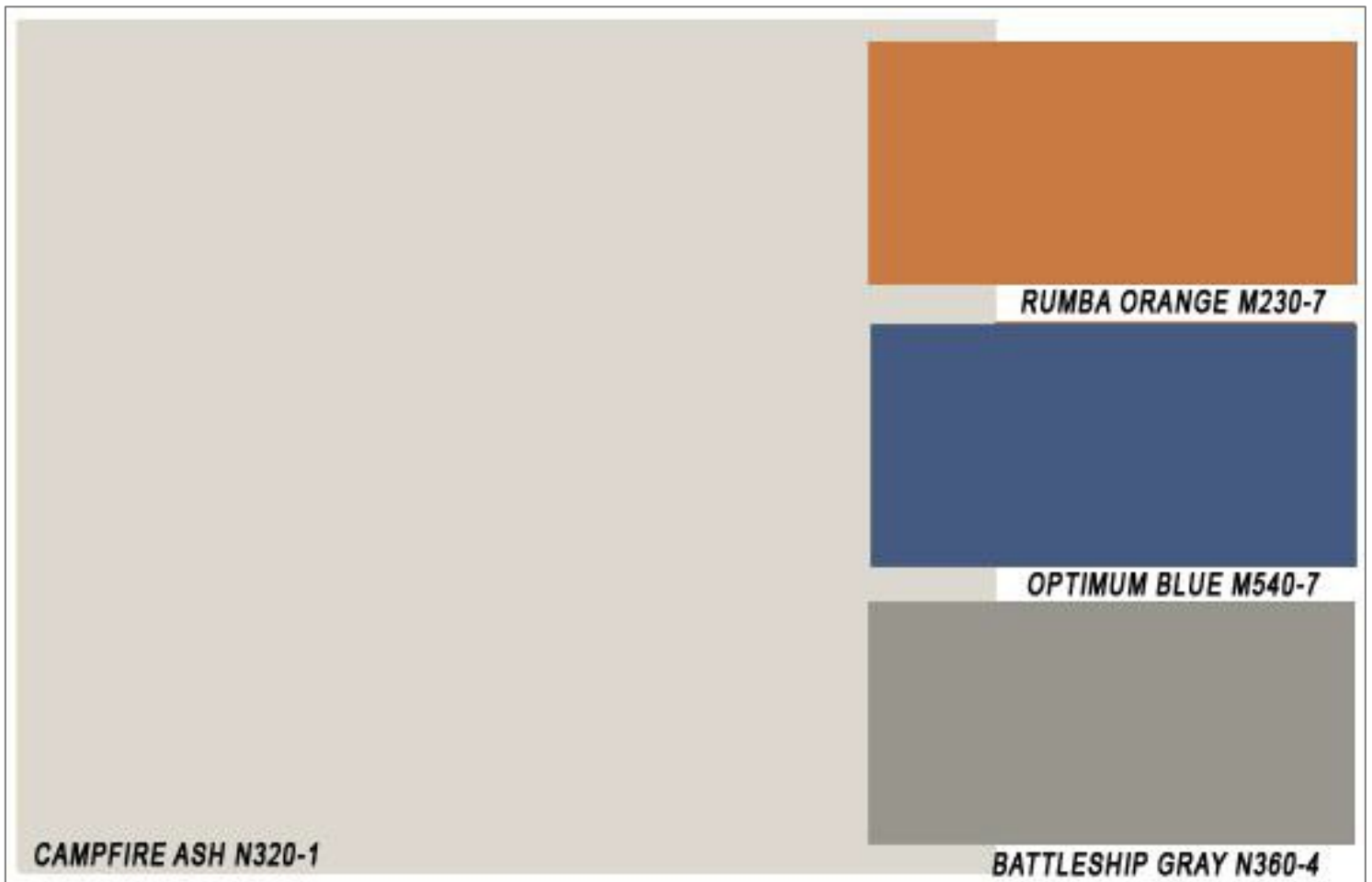
Click the arrow to



Color Scheme 12

Click on the color name to visit Behr Color Smart

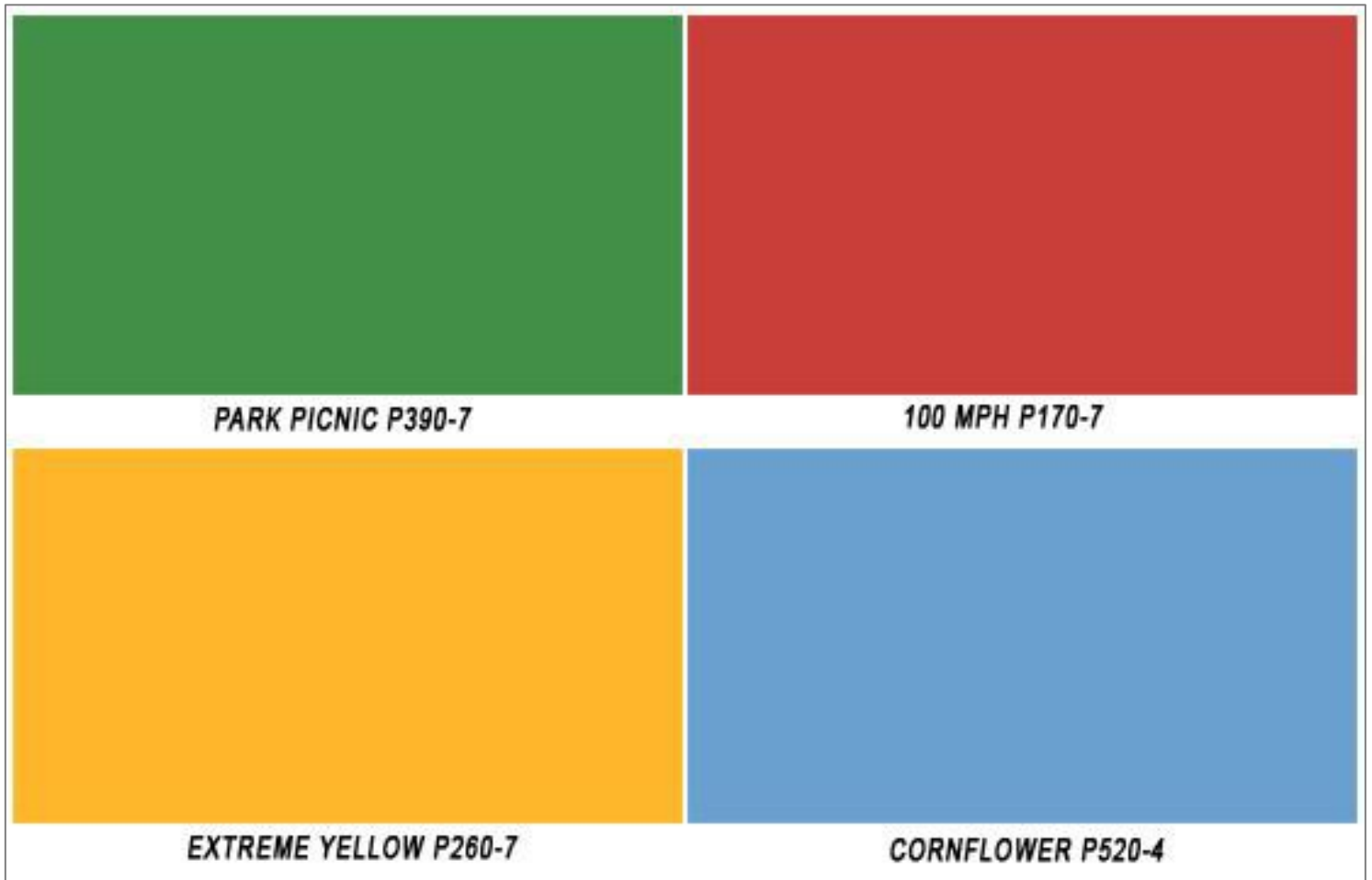
Click the arrow to



Accents 1

Click on the color name to visit Behr Color Smart

Click the arrow to



Accents 1

Click on the color name to visit Behr Color Smart

Click the arrow to



END OF SECTION 09 91 00