

CathayCoatTM

PIGMENTS FOR COATINGS



Iron Oxide to the Core



CathayCoat™

CathayCoat™ is Cathay Industries premium range of iron oxides. It's made for top coating and fine-quality products like paints, plastics and paper.

CathayCoat™ can be divided into four subcategories:

Premium

Standard

Economical

A

GRADE

Micronized

LV

YELLOW GRADE

Low Viscosity

S

GRADE

Standard

C

GRADE

Economical

MICRONIZED A GRADES

CathayCoat™ Micronized A-grade iron oxides are high-quality pigments tailor-made for coatings with premium requirements. With optimized dispersion properties this grade can be used directly for high-speed dispersing without further milling. Therefore it saves time, energy and labor during the production of paints, dispersions and other final products.

LOW VISCOSITY YELLOW

CathayCoat™ “LV” grade is a unique yellow iron oxide pigment that provides extra-low viscosity in the final dispersion, even at the highest pigment loading.

STANDARD GRADES

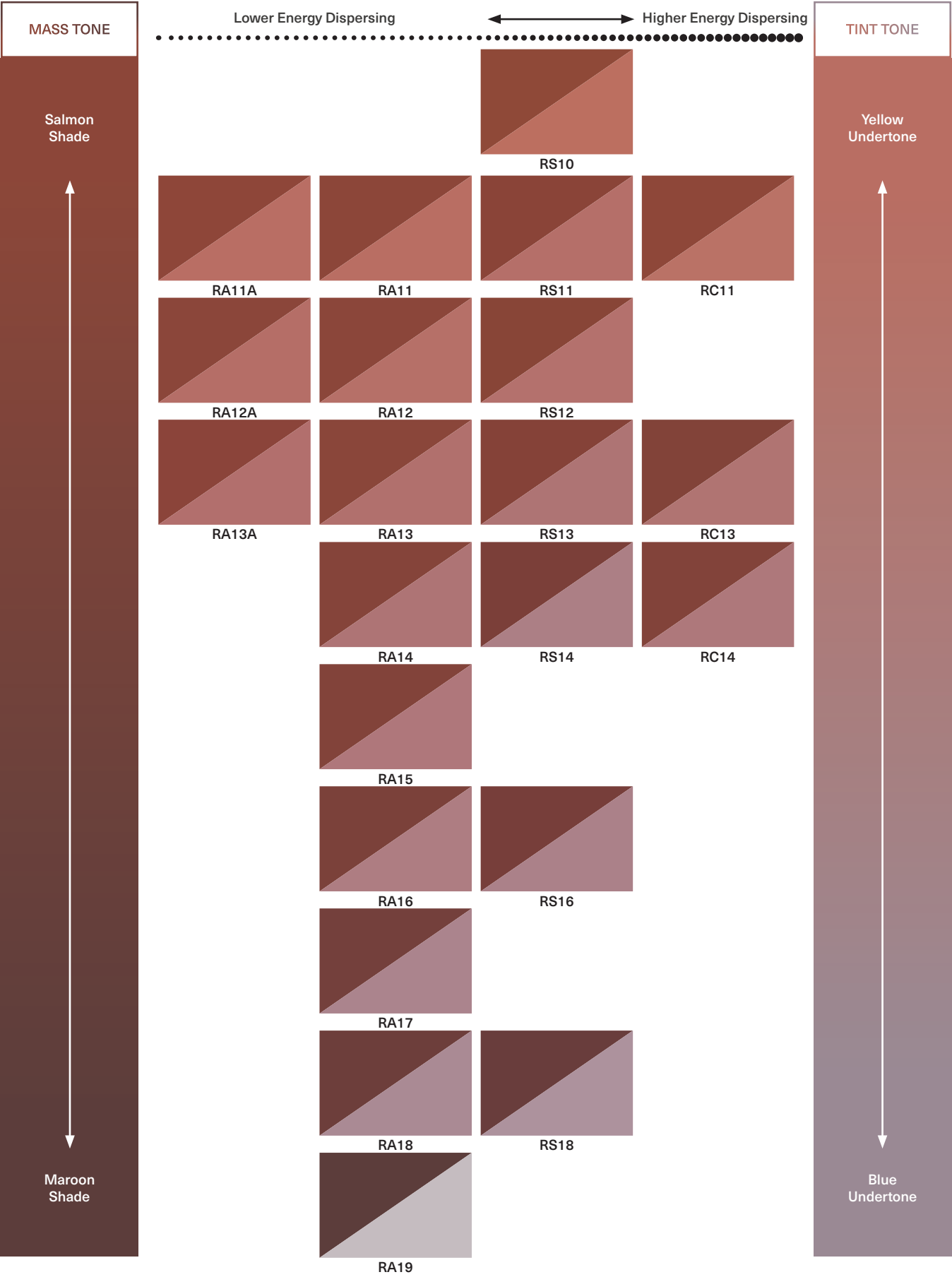
CathayCoat™ S-grade iron oxides are a range of high-quality pigments with attractive prices for paints, plastics, paper and dispersions. Extra milling or dispersant additives can be added to customize and improve the final product.

ECONOMICAL C GRADES

CathayCoat™ C-grade iron oxide is an economical pigment range for coating applications. With our custom specification manufacturing and our advanced, environmentally safe production, this range of iron oxide products provides another choice for excellent cost-performance ratio.

IRON OXIDE RED SHADES

Colors Represent Mass Tone and Tint Tone (Reduction with TiO₂ 1:4)

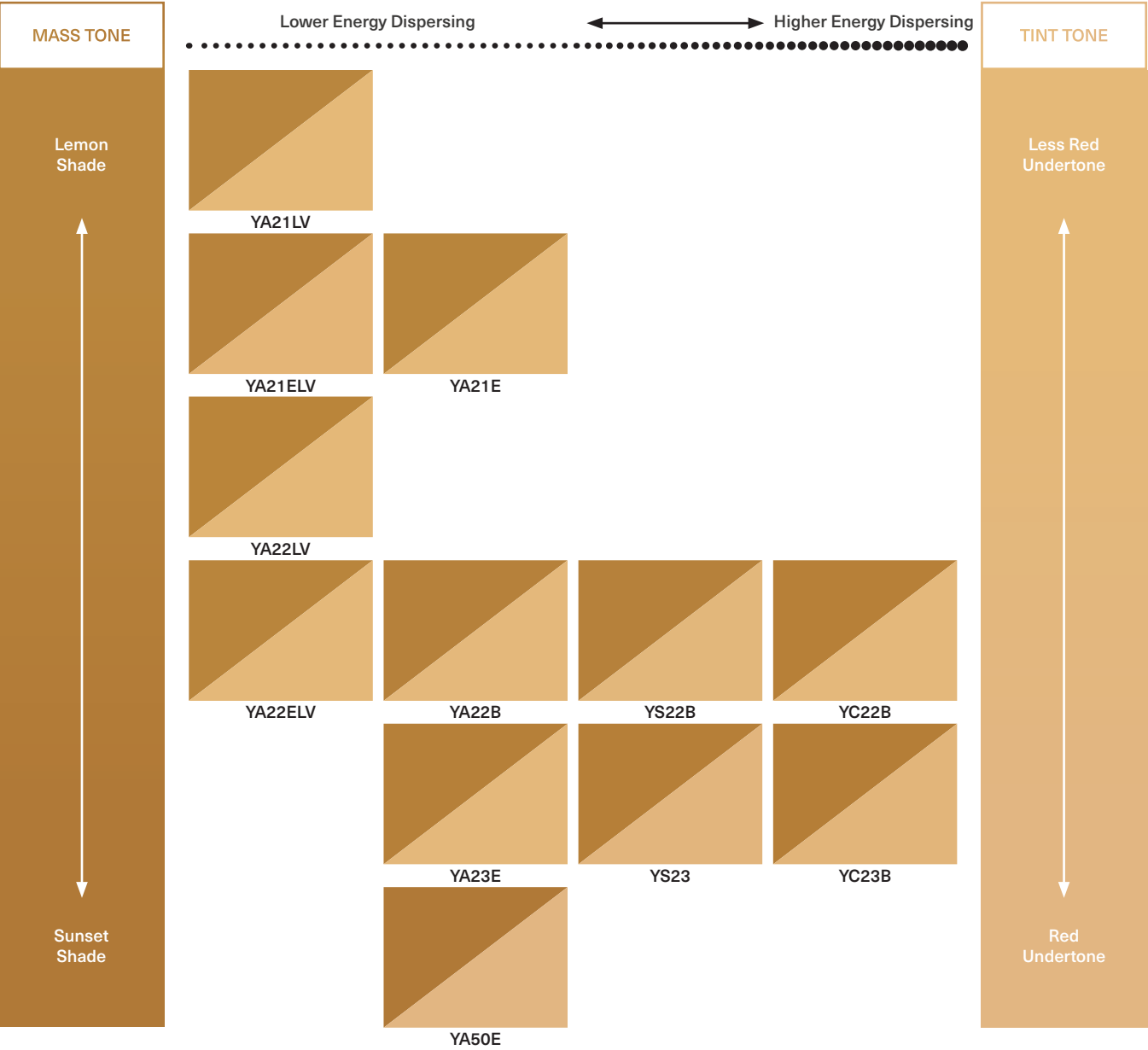


NOTE ON COLOR ACCURACY
The color chips represented here are as accurate as the printing process will allow, it may be slightly different from actual shades. This is for your reference ONLY. Please pay attention to the samples we send to you.

		MICRONIZED A GRADE	STANDARD S GRADE	C GRADES
Test Method	Product Code	RA11, RA11A, RA12, RA12A, RA13, RA13A, RA14, RA15, RA16, RA16B, RA18	RS10, RS11, RS12 , RS13, RS14, RS16, RS18	RC11, RC13, RC14
	Pigment Index	PR 101	PR 101	PR 101
	Chemical Composition	Fe ₂ O ₃	Fe ₂ O ₃	Fe ₂ O ₃
BS1014	Purity, % (as Fe2O3)	95+	95+	95+
ISO 787-5	Oil Absorption (g/100g)	15-25	15-25	15-25
ISO 787-10	Density (g/cm³)	5.0	5.0	5.0
ISO 787-7	Sieve Residue on 325 mesh (%)	≤ 0.1	≤ 0.1	< 0.25
ISO 787-3	Water Soluble Salts (%)	≤ 0.3	≤ 0.3	≤ 0.3
ISO 787-9	pH	5 - 8	5 - 8	5 - 8
ISO 787-2	Moisture (%)	≤ 1	≤ 1	≤ 1
ASTM D1210	Hegman	6.0+	3.0+	–
Electron Micrograph	Particle Shape	Spherical	Spherical	Spherical
ISO 7724-2	dE	≤ 1	≤ 1	≤ 1
ISO 8781-1	Tinting Strength (%)	95-105	95-105	95-105

IRON OXIDE YELLOW SHADES

Colors Represent Mass Tone and Tint Tone (Reduction with TiO₂ 1:4)



NOTE ON COLOR ACCURACY
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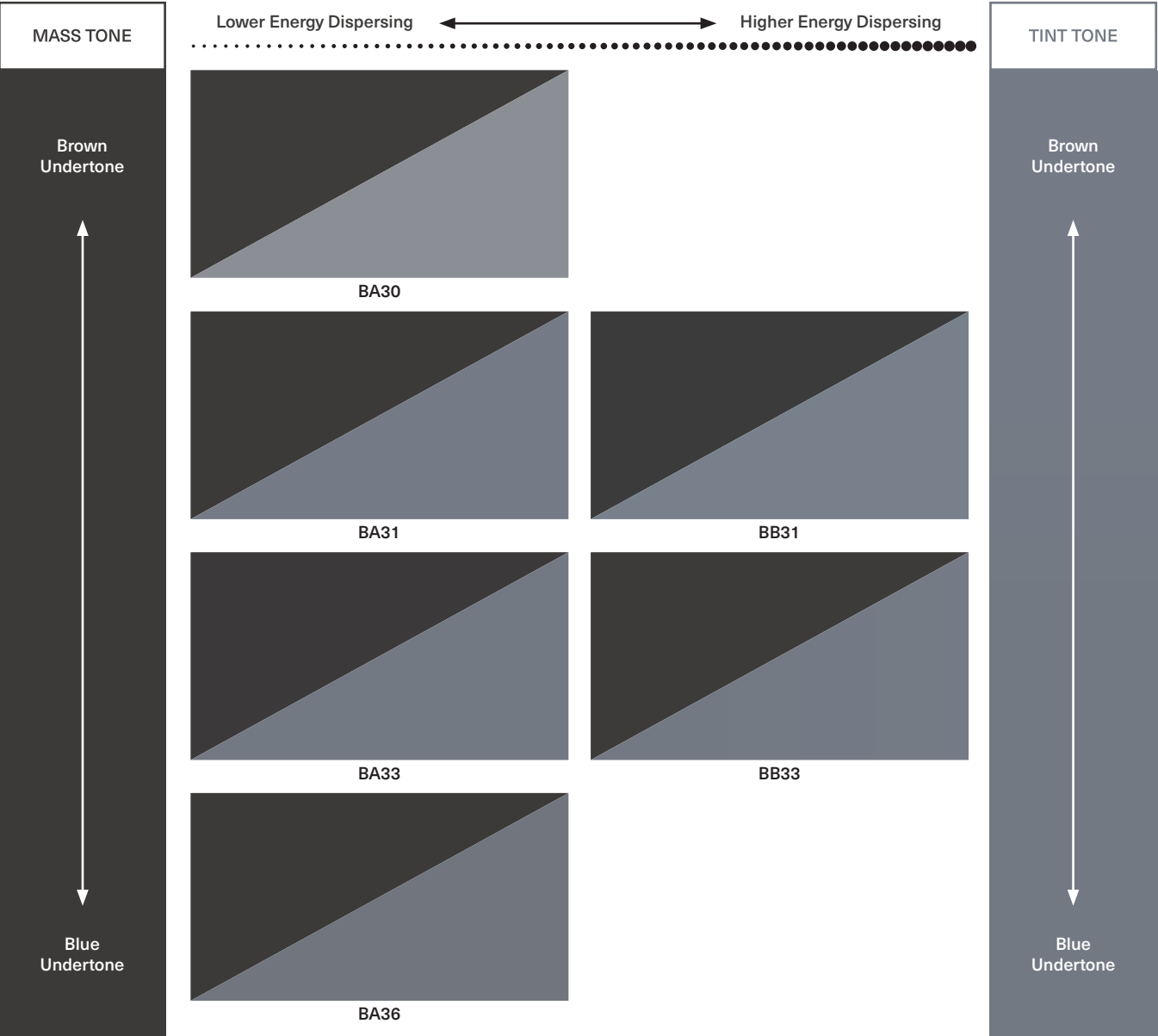
		MICRONIZED A GRADE	STANDARD S GRADE	C GRADES
Test Method	Product Code	YA21LV, YA21ELV, YA21E, YA22B, YA22LV, YA22ELV, YA23E, YA50E	YS22B, YS23	YC22B, YC23B
	Pigment Index	PY 42	PY 42	PY 42
	Chemical Composition	Fe ₂ O ₃ •H ₂ O	Fe ₂ O ₃ •H ₂ O	Fe ₂ O ₃ •H ₂ O
BS1014	Purity, % (as Fe2O3)	86+	86+	86+
ISO 787-5	Oil Absorption (g/100g)	28 - 40	28 - 40	28 - 40
ISO 787-10	Density (g/cm³)	4.1	4.1	5.0
ISO 787-7	Sieve Residue on 325 mesh (%)	≤ 0.1	≤ 0.1	≤ 0.25
ISO 787-3	Water Soluble Salts (%)	≤ 0.3	≤ 0.3	≤ 0.3
ISO 787-9	pH	5 - 8	5 - 8	5 - 8
ISO 787-2	Moisture (%)	≤ 1	≤ 1	≤ 1
ASTM D1210	Hegman	6.0+	3.0+	—
Electron Micrograph	Particle Shape	Acicular	Acicular	Acicular
ISO 7724-2	dE	≤ 1	≤ 1	≤ 1
ISO 8781-1	Tinting Strength (%)	95-105	95-105	95-105

Our Global Reach is Unmatched

We are customer and quality driven. Our focus is to outperform competitors, rather than outsell them. We create a manufacturing culture where pride is derived from perfection over volume. We listen carefully to our customers, solve their problems collaboratively and meet their cost, profitability and performance needs.

IRON OXIDE BLACK SHADES

Colors Represent Mass Tone and Tint Tone (Reduction with TiO₂ 1:4)



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Contact us today
to find out more about our
CathayCoat offerings.

		MICRONIZED A GRADE	STANDARD S GRADE
Test Method	Product Code	BA30, BA31, BA33, BA36	BB31, BB33
	Pigment Index	PBk 11	PBk 11
	Chemical Composition	Fe ₃ O ₄	Fe ₃ O ₄
BS1014	Purity, % (as Fe2O3)	95+	95+
ISO 787-5	Oil Absorption (g/100g)	15 - 25	15 - 25
ISO 787-10	Density (g/cm ³)	5.0	5.0
ISO 787-7	Sieve Residue on 325 mesh (%)	≤ 0.01	≤ 0.01
ISO 787-3	Water Soluble Salts (%)	≤ 0.3	≤ 0.3
ISO 787-9	pH	5 - 8	5 - 8
ISO 787-2	Moisture (%)	≤ 1	≤ 1
ASTM D1210	Hegman	6.0+	3.0
Electron Micrograph	Particle Shape	Cubic	Cubic
ISO 7724-2	dE	≤ 1	≤ 1
ISO 8781-1	Tinting Strength (%)	95-105	95-105



Iron Oxide to the Core

cathayindusa.com



Color that's meant to last.

Cathay Industries is internationally recognized as a superior manufacturer of Iron Oxide and other pigments for the Coatings, Plastics, Specialities and Construction industries. Our drive to produce high-quality, unquestionably pure pigments and iron-clad customer service makes us the obvious choice.

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As dependable as our iron oxide pigments.

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