

Converting Colors

$Y_{xy}(80.2276, 0.3186, 0.3347)$

Have a look what the booklet for
Yxy(80.2276, 0.3186, 0.3347)
contains.

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Color

Yxy(80.3050, 0.3186, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	EBE7E2
RGB	235, 231, 226
RGB Percent	92%, 91%, 89%
CMY	0.0786, 0.0941, 0.1137
CMYK	0.00, 0.02, 0.04, 0.08
HSL	34°, 18%, 90%
HSV	34°, 4%, 92%
XYZ	76.5565, 80.3050, 83.4288
YIQ	231.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

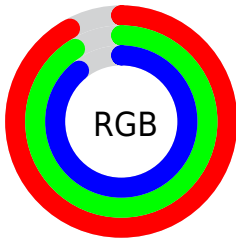
Format	Color
R _Y B	233, 235, 226
Decimal	15460322
CIE Lab	91.82, 0.46, 2.89
CIE LCh	92, 2.923, 80.862
Yxy	80.3050, 0.3186, 0.3342
Android (android.graphics.Color)	4293650402 (0xFFEBE7E2)
YUV	231.6260, -2.7736, 2.9590
Hunter-Lab	89.6131, -4.3302, 7.5308

Details

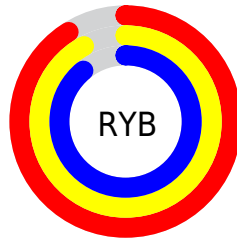
The Yxy color **80.3050, 0.3186, 0.3342** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.7412, 0.3069, 0.3237**, and the grayscale version is **80.4200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1839, 0.3196, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **73.4730, 0.3355, 0.3484**, and if you desaturate by 10%, it is **87.6644, 0.3037, 0.3208**.

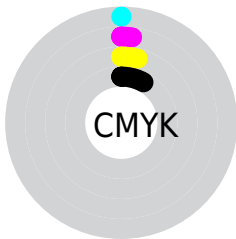
Distribution



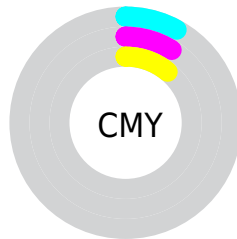
- Red (92%)
- Green (91%)
- Blue (89%)



- Red (91%)
- Yellow (92%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3050, 0.3186, 0.3342 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 80.3050, 0.3186, 0.3342 by changing the saturation by 10% instead.

80.3050, 0.3186,
0.3342

80.3050, 0.3186,
0.3342

495.9601, 0.3159,
0.3318

59.9694, 0.3192,
0.3347

133.7945, 0.3177,
0.3334

43.3939, 0.3199,
0.3354

167.7171, 0.3173,
0.3331

30.1943, 0.3209,
0.3362

206.9375, 0.3170,
0.3328

19.9861, 0.3221,
0.3372

251.8401, 0.3167,
0.3326

12.3850, 0.3237,
0.3387

302.8092, 0.3165,
0.3324

7.0064, 0.3260,
0.3407

360.2294, 0.3163,

3.4661, 0.3295,

0.3322

0.3437

424.4849, 0.3161,
0.3320

■ 1.3797, 0.3356,
0.3490

■ 0.2017, 0.4805,
0.4774

■ 80.3050, 0.3186,
0.3342

■ 80.3050, 0.3186,
0.3342

■ 73.4730, 0.3355,
0.3484

■ 87.6644, 0.3037,
0.3208

■ 67.1450, 0.3544,
0.3633

■ 94.3384, 0.3005,
0.3258

■ 61.3107, 0.3755,
0.3784

■ 96.3957, 0.3005,
0.3290

■ 55.9557, 0.3986,
0.3931

■ 51.0647, 0.4231,
0.4066

■ 46.6212, 0.4483,
0.4176

■ 42.6074, 0.4730,
0.4251

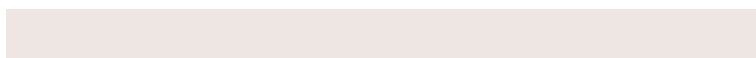
■ 39.0034, 0.4957,
0.4277

■ 35.7862, 0.5151,
0.4249

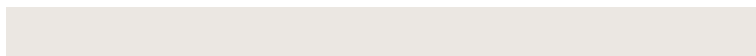
Harmonies

Analogous

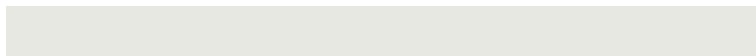
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3050, 0.3194, 0.3321



80.3050, 0.3186, 0.3342



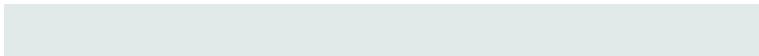
80.3050, 0.3162, 0.3349

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3050, 0.3186, 0.3342



80.3050, 0.3071, 0.3288



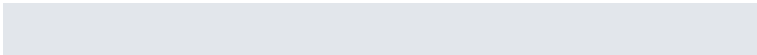
80.3050, 0.3125, 0.3240

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



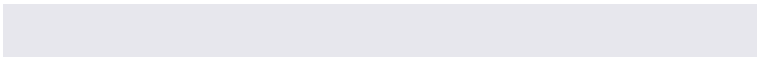
80.3050, 0.3186, 0.3342



78.7412, 0.3069, 0.3237

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3050, 0.3092, 0.3232



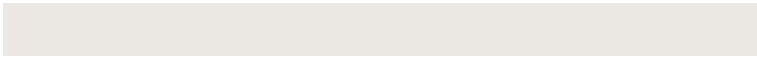
80.3050, 0.3186, 0.3342



80.3050, 0.3061, 0.3259

Square

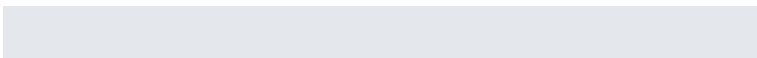
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3050, 0.3186, 0.3342



80.3050, 0.3096, 0.3318



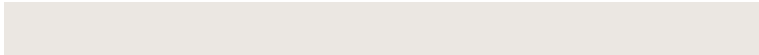
80.3050, 0.3069, 0.3238



80.3050, 0.3159, 0.3262

Rectangle

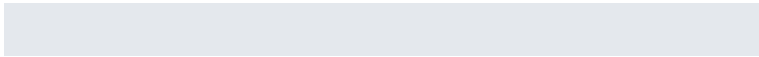
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



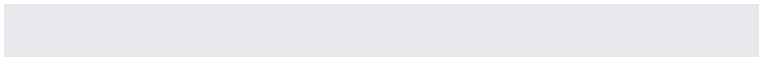
80.3050, 0.3186, 0.3342



80.3050, 0.3141, 0.3345



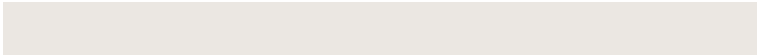
80.3050, 0.3069, 0.3238



80.3050, 0.3114, 0.3236

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.3085, 0.3186, 0.3342



99.1211, 0.3142, 0.3304



77.7738, 0.3163, 0.3248



21.2253, 0.3142, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3085, 0.3186, 0.3342



95.6692, 0.3205, 0.3359



82.4665, 0.3180, 0.3383



17.0129, 0.3216, 0.3368



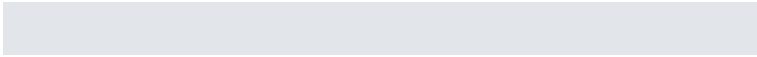
19.1711, 0.5233, 0.4227



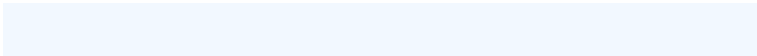
1.6966, 0.5050, 0.4372

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



78.7412, 0.3069, 0.3237



93.1995, 0.3050, 0.3220



76.6426, 0.3073, 0.3196



16.5156, 0.3040, 0.3211



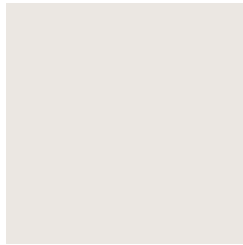
9.0573, 0.1720, 0.1390



0.9000, 0.1794, 0.1657

Previews

White Background



This preview shows how the Yxy color 80.3050, 0.3186, 0.3342 looks on a white background.

Color Contrast Check

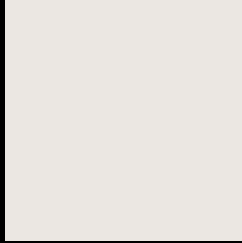
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 80.3050, 0.3186, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

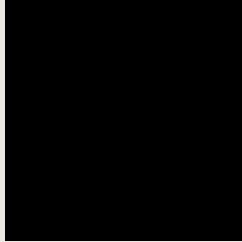
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

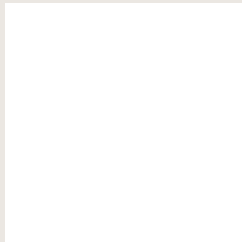
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3050, 0.3186, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 80.3050, 0.3186, 0.3342.

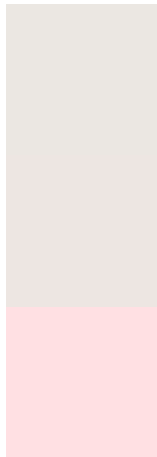


This preview shows how white text looks on a background with the Yxy color 80.3050, 0.3186, 0.3342.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.3050, 0.3186, 0.3342

Protanopia

80.0891, 0.3201, 0.3332

Deuteranopia

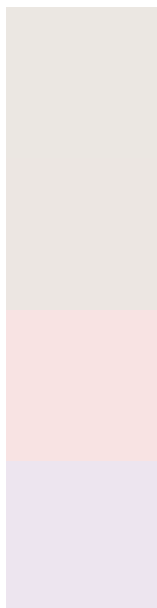
80.1174, 0.3328, 0.3261



Tritanopia

80.3178, 0.3081, 0.3108

Trichromacy



Original Color

80.3050, 0.3186, 0.3342

Protanomaly

79.9175, 0.3194, 0.3332

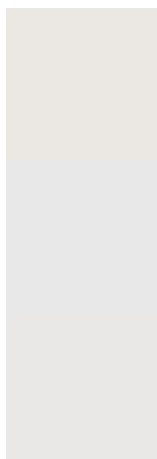
Deuteranomaly

80.4407, 0.3274, 0.3290

Tritanomaly

80.2751, 0.3118, 0.3188

Monochromacy



Original Color

80.3050, 0.3186, 0.3342

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7500, 0.3147, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3050, 0.3186, 0.3342 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(235, 231, 226)` looks like.

```
.text, #text, p{  
    color:rgb(235, 231, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 231, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 231, 226) }
```

Border

The CSS property to change the border of an element to Yxy 80.3050, 0.3186, 0.3342 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 231, 226) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 231, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 231, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 231, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 231, 226);  
box-shadow:4px 4px 4px 4px rgb(235, 231,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3050, 0.3186, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 231, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
231, 226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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