

Converting Colors

Yxy(80.6087, 0.3051, 0.3214)

Have a look what the booklet for
Yxy(80.6087, 0.3051, 0.3214)
contains.

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Color

Yxy(80.4985, 0.3051, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	E4E8F0
RGB	228, 232, 240
RGB Percent	89%, 91%, 94%
CMY	0.1058, 0.0902, 0.0589
CMYK	0.05, 0.03, 0.00, 0.06
HSL	220°, 28%, 92%
HSV	220°, 5%, 94%
XYZ	76.5828, 80.4985, 93.9275
YIQ	231.7160, -4.9520, 1.6400

Conversions

Conversions Part 2

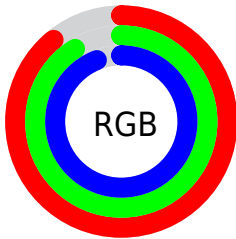
Format	Color
R _Y B	228, 231, 240
Decimal	15001840
CIE Lab	91.91, 0.14, -4.34
CIE LCh	92, 4.343, 271.907
Yxy	80.4985, 0.3051, 0.3207
Android (android.graphics.Color)	4293191920 (0xFFE4E8F0)
YUV	231.7160, 4.0840, -3.2589
Hunter-Lab	89.7210, -4.6501, 0.7349

Details

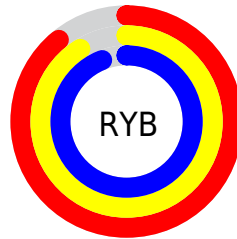
The Yxy color **80.4985, 0.3051, 0.3207** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.1208, 0.3204, 0.3372**, and the grayscale version is **80.4482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3956, 0.3037, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **68.2343, 0.2890, 0.3025**, and if you desaturate by 10%, it is **94.1363, 0.3201, 0.3368**.

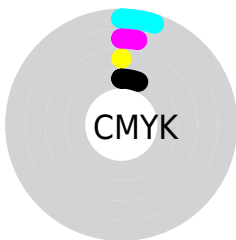
Distribution



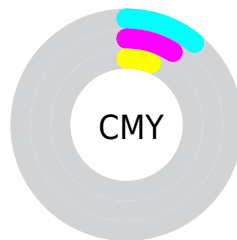
- Red (89%)
- Green (91%)
- Blue (94%)



- Red (89%)
- Yellow (91%)
- Blue (94%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (11%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4985, 0.3051, 0.3207 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 80.4985, 0.3051, 0.3207 by changing the saturation by 10% instead.

80.4985, 0.3051,
0.3207

80.4985, 0.3051,
0.3207

496.6112, 0.3086,
0.3245

60.1287, 0.3043,
0.3199

134.0664, 0.3063,
0.3220

43.5223, 0.3034,
0.3188

168.0332, 0.3068,
0.3225

30.2952, 0.3022,
0.3175

207.3011, 0.3072,
0.3229

20.0627, 0.3006,
0.3158

252.2545, 0.3075,
0.3233

12.4407, 0.2985,
0.3136

303.2779, 0.3078,
0.3237

7.0445, 0.2956,
0.3104

360.7555, 0.3081,

3.4900, 0.2911,

0.3240

0.3055

425.0718, 0.3083,
0.3242

■ 1.3926, 0.2835,
0.2972

■ 0.2112, 0.2153,
0.2226

■ 80.4985, 0.3051,
0.3207

■ 80.4985, 0.3051,
0.3207

■ 68.2343, 0.2890,
0.3025

■ 94.1363, 0.3201,
0.3368

■ 57.2892, 0.2718,
0.2821

■ 99.0704, 0.3215,
0.3434

■ 47.6201, 0.2540,
0.2597

■ 39.1775, 0.2359,
0.2355

■ 31.9082, 0.2181,
0.2101

■ 25.7551, 0.2015,
0.1842

■ 20.6552, 0.1868,
0.1588

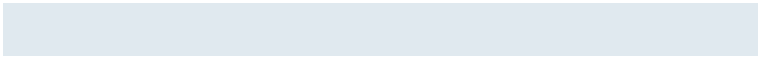
■ 16.5381, 0.1747,
0.1351

■ 13.3221, 0.1659,
0.1142

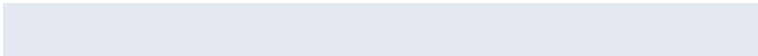
Harmonies

Analogous

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



80.4985, 0.3030, 0.3231



80.4985, 0.3051, 0.3207



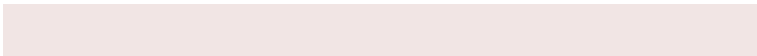
80.4985, 0.3092, 0.3206

Triad

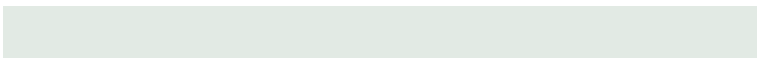
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4985, 0.3051, 0.3207



80.4985, 0.3220, 0.3309



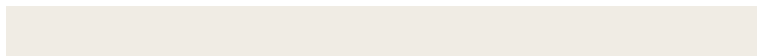
80.4985, 0.3111, 0.3355

Complementary

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



80.4985, 0.3051, 0.3207



84.1208, 0.3204, 0.3372

Split Complementary

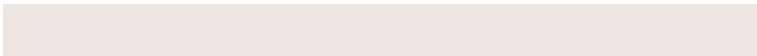
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4985, 0.3162, 0.3376



80.4985, 0.3051, 0.3207



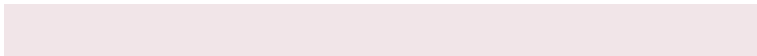
80.4985, 0.3225, 0.3349

Square

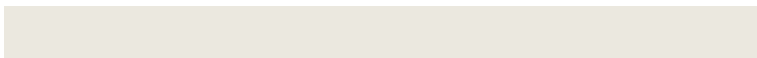
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



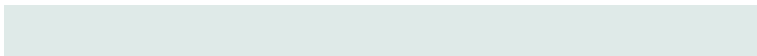
80.4985, 0.3051, 0.3207



80.4985, 0.3190, 0.3264



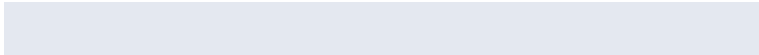
80.4985, 0.3204, 0.3374



80.4985, 0.3065, 0.3316

Rectangle

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



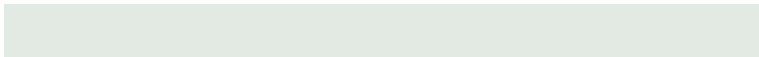
80.4985, 0.3051, 0.3207



80.4985, 0.3126, 0.3217



80.4985, 0.3204, 0.3374



80.4985, 0.3128, 0.3365

Sweetspot

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



80.5019, 0.3051, 0.3207



98.4384, 0.3112, 0.3274



84.8657, 0.3073, 0.3331



21.0864, 0.3113, 0.3275



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.



80.5019, 0.3051, 0.3207



90.8694, 0.3035, 0.3189



78.6154, 0.3065, 0.3166



16.8531, 0.3025, 0.3178



6.7874, 0.1633, 0.1078



0.7407, 0.1705, 0.1339

Inverse Universe

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



79.8483, 0.3184, 0.3249



89.9833, 0.3197, 0.3241



86.0905, 0.3187, 0.3412



16.6726, 0.3204, 0.3236



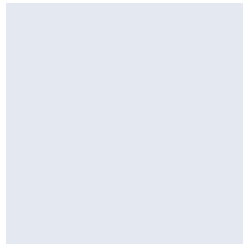
10.4785, 0.5643, 0.2882



0.8895, 0.5273, 0.2679

Previews

White Background



This preview shows how the Yxy color 80.4985, 0.3051, 0.3207 looks on a white background.

Color Contrast Check

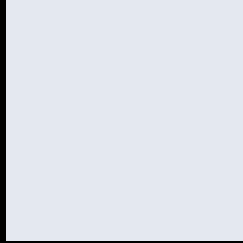
Large Text (above 18pt) WCAG AA × Fail

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 80.4985, 0.3051, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

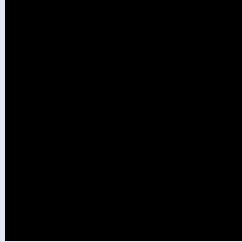
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

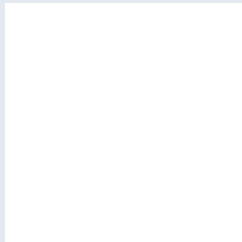
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4985, 0.3051, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 80.4985, 0.3051, 0.3207.

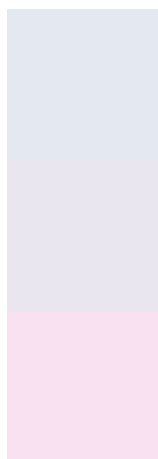


This preview shows how white text looks on a background with the Yxy color 80.4985, 0.3051, 0.3207.

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

80.4985, 0.3051, 0.3207

Protanopia

80.3180, 0.3098, 0.3198

Deuteranopia

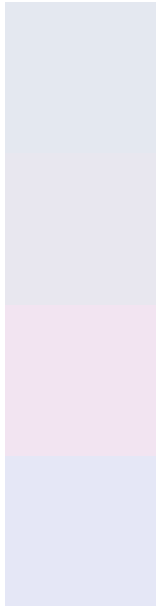
80.5253, 0.3197, 0.3131



Tritanopia

80.6494, 0.3003, 0.3105

Trichromacy



Original Color

80.4985, 0.3051, 0.3207

Protanomaly

80.5396, 0.3084, 0.3207

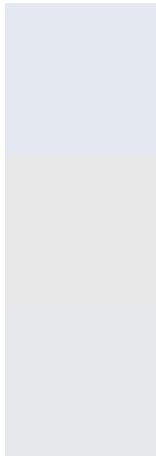
Deuteranomaly

80.7149, 0.3140, 0.3159

Tritanomaly

80.4637, 0.3021, 0.3136

Monochromacy



Original Color

80.4985, 0.3051, 0.3207

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7003, 0.3102, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4985, 0.3051, 0.3207 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(228, 232, 240)` looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 240)  
}
```

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(228, 232, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 240) }
```

Border

The CSS property to change the border of an element to Yxy 80.4985, 0.3051, 0.3207 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(228, 232, 240) }
```

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

```
.border{ border-color:rgb(228, 232, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 232, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 232, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 232, 240); box-shadow:4px 4px 4px 4px rgb(228, 232, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4985, 0.3051, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 240) }
```

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

```
.background{ background-color: rgb(228,  
232, 240) }
```

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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