

Converting Colors

$Yxy(85.8716, 0.3079, 0.3206)$

Have a look what the booklet for
Yxy(85.8716, 0.3079, 0.3206)
contains.

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Color

Yxy(85.9800, 0.3078, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEF6
RGB	238, 238, 246
RGB Percent	93%, 93%, 96%
CMY	0.0670, 0.0665, 0.0354
CMYK	0.03, 0.03, 0.00, 0.04
HSL	239°, 31%, 95%
HSV	239°, 3%, 96%
XYZ	82.4444, 85.9800, 99.4261
YIQ	238.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

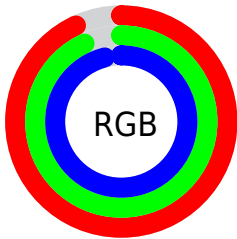
Format	Color
R _Y B	238, 238, 246
Decimal	15658742
CIE Lab	94.30, 1.40, -3.85
CIE LCh	94, 4.100, 289.934
Yxy	85.9800, 0.3078, 0.3210
Android (android.graphics.Color)	4293848822 (0xFFEEEEF6)
YUV	238.9120, 3.4944, -0.7998
Hunter-Lab	92.7254, -3.5608, 1.3333

Details

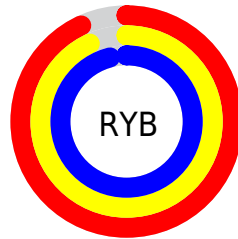
The Yxy color 85.9800, 0.3078, 0.3210 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.5857, 0.3176, 0.3369, and the grayscale version is 86.2109, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 47.1187, 0.3065, 0.3187 is the 20% darker color. If you saturate the color by 10%, you get 68.8432, 0.2914, 0.2944, and if you desaturate by 10%, it is 99.4329, 0.3179, 0.3376.

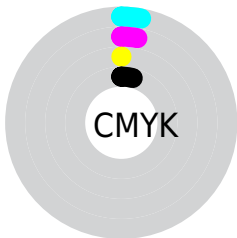
Distribution



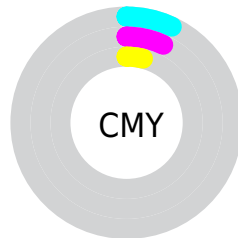
- Red (93%)
- Green (93%)
- Blue (96%)



- Red (93%)
- Yellow (93%)
- Blue (96%)



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9800, 0.3078, 0.3210 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 85.9800, 0.3078, 0.3210 by changing the saturation by 10% instead.

85.9800, 0.3078,
0.3210

85.9800, 0.3078,
0.3210

514.8653, 0.3100,
0.3246

64.6514, 0.3073,
0.3202

141.7416, 0.3086,
0.3222

47.1785, 0.3067,
0.3192

176.9434, 0.3089,
0.3227

33.1768, 0.3060,
0.3180

217.5384, 0.3091,
0.3231

22.2619, 0.3050,
0.3165

263.9110, 0.3093,
0.3235

14.0495, 0.3037,
0.3144

316.4456, 0.3095,
0.3238

8.1551, 0.3019,
0.3116

375.5266, 0.3097,

4.1943, 0.2992,

0.3241

0.3073

441.5383, 0.3099,
0.3244

■ 1.7829, 0.2947,
0.3004

■ 0.4765, 0.2780,
0.2720

■ 85.9800, 0.3078,
0.3210

■ 85.9800, 0.3078,
0.3210

■ 68.8432, 0.2914,
0.2944

■ 99.4329, 0.3179,
0.3376

■ 54.0835, 0.2730,
0.2643

■ 41.5993, 0.2529,
0.2312

■ 31.2775, 0.2315,
0.1961

■ 22.9953, 0.2100,
0.1607

■ 16.6175, 0.1898,
0.1274

■ 11.9927, 0.1727,
0.0988

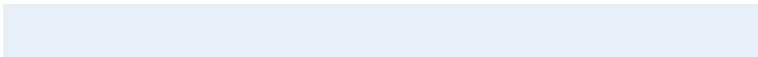
■ 8.9466, 0.1601,
0.0776

■ 7.2688, 0.1527,
0.0649

Harmonies

Analogous

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



85.9800, 0.3046, 0.3220



85.9800, 0.3078, 0.3210



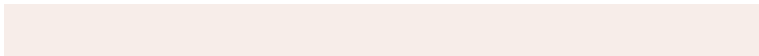
85.9800, 0.3123, 0.3221

Triad

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



85.9800, 0.3078, 0.3210



85.9800, 0.3219, 0.3331



85.9800, 0.3085, 0.3330

Complementary

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



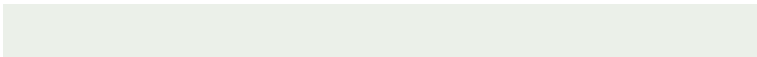
85.9800, 0.3078, 0.3210



91.5857, 0.3176, 0.3369

Split Complementary

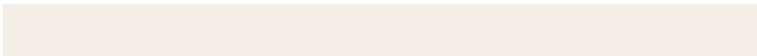
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9800, 0.3131, 0.3360



85.9800, 0.3078, 0.3210



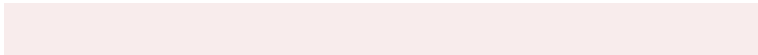
85.9800, 0.3209, 0.3361

Square

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



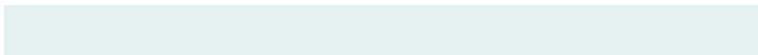
85.9800, 0.3078, 0.3210



85.9800, 0.3205, 0.3291



85.9800, 0.3176, 0.3371



85.9800, 0.3051, 0.3289

Rectangle

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



85.9800, 0.3078, 0.3210



85.9800, 0.3154, 0.3239



85.9800, 0.3176, 0.3371



85.9800, 0.3100, 0.3342

Sweetspot

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



85.9837, 0.3078, 0.3210



97.9278, 0.3112, 0.3266



90.7090, 0.3077, 0.3291



20.9824, 0.3113, 0.3267



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.



85.9837, 0.3078, 0.3210



91.8744, 0.3067, 0.3192



86.5945, 0.3104, 0.3209



17.7243, 0.3055, 0.3173



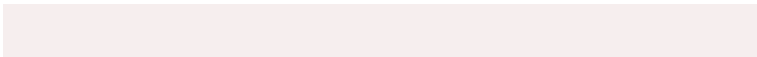
3.6131, 0.1503, 0.0609



0.3316, 0.1509, 0.0633

Inverse Universe

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



86.8626, 0.3180, 0.3289



93.0337, 0.3192, 0.3289



90.9623, 0.3150, 0.3371



17.9919, 0.3205, 0.3288



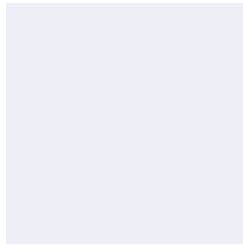
10.4641, 0.6385, 0.3291



0.9211, 0.6344, 0.3268

Previews

White Background



This preview shows how the Yxy color 85.9800, 0.3078, 0.3210 looks on a white background.

Color Contrast Check

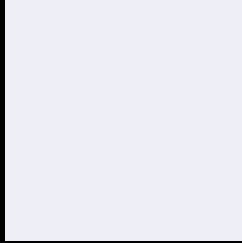
Large Text (above 18pt) WCAG AA × Fail

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 85.9800, 0.3078, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

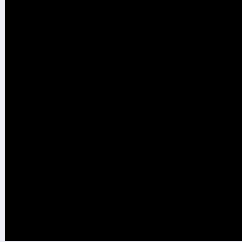
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

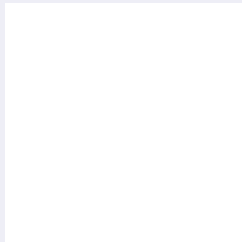
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.9800, 0.3078, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 85.9800, 0.3078, 0.3210.

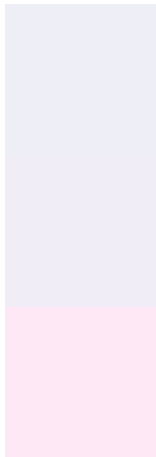


This preview shows how white text looks on a background with the Yxy color 85.9800, 0.3078, 0.3210.

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

85.9800, 0.3078, 0.3210

Protanopia

85.9230, 0.3098, 0.3200

Deuteranopia

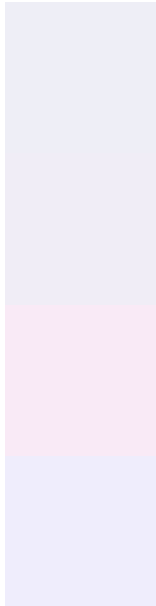
85.6270, 0.3194, 0.3154



Tritanopia

86.1391, 0.3031, 0.3111

Trichromacy



Original Color

85.9800, 0.3078, 0.3210

Protanomaly

85.7475, 0.3092, 0.3200

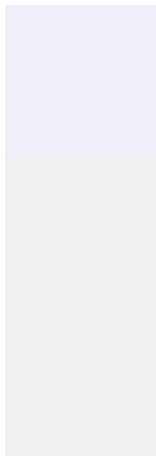
Deuteranomaly

85.6392, 0.3153, 0.3172

Tritanomaly

85.9474, 0.3049, 0.3140

Monochromacy



Original Color

85.9800, 0.3078, 0.3210

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4945, 0.3109, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9800, 0.3078, 0.3210 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(238, 238, 246)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 246)  
}
```

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(238, 238, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 246) }
```

Border

The CSS property to change the border of an element to Yxy 85.9800, 0.3078, 0.3210 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(238, 238, 246) }
```

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

```
.border{ border-color:rgb(238, 238, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 246);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9800, 0.3078, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 246) }
```

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

```
.background{ background-color: rgb(238,  
238, 246) }
```

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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