

Converting Colors

Yxy(84.8493, 0.3158, 0.3210)

Have a look what the booklet for
Yxy(84.8493, 0.3158, 0.3210)
contains.

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Color

Yxy(84.8493, 0.3158, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	F6EAF2
RGB	246, 234, 242
RGB Percent	96%, 92%, 95%
CMY	0.0351, 0.0824, 0.0509
CMYK	0.00, 0.05, 0.02, 0.04
HSL	320°, 40%, 94%
HSV	320°, 5%, 96%
XYZ	83.4748, 84.8493, 96.0039
YIQ	238.5000, 4.5840, 5.0320

Conversions

Conversions Part 2

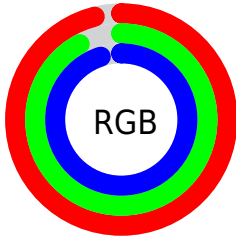
Format	Color
R _Y B	246, 234, 242
Decimal	16182002
CIE Lab	93.82, 5.47, -2.44
CIE LCh	94, 5.989, 335.961
Yxy	84.8493, 0.3158, 0.3210
Android (android.graphics.Color)	4294372082 (0xFF6EAF2)
YUV	238.5000, 1.7255, 6.5775
Hunter-Lab	92.1137, 0.5604, 2.6856

Details

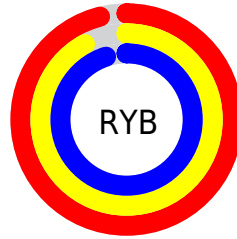
The Yxy color **84.8493, 0.3158, 0.3210** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.6127, 0.3098, 0.3371**, and the grayscale version is **85.9005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3331, 0.3167, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **71.3203, 0.3230, 0.3041**, and if you desaturate by 10%, it is **98.0414, 0.3099, 0.3336**.

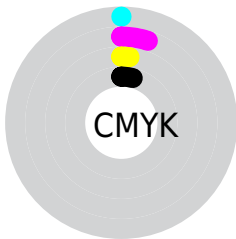
Distribution



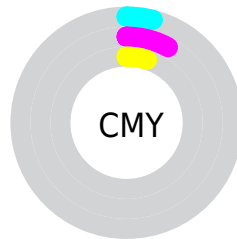
- Red (96%)
- Green (92%)
- Blue (95%)



- Red (96%)
- Yellow (92%)
- Blue (95%)



- Cyan (0%)
- Magenta (5%)
- Yellow (2%)
- Black (4%)





- Cyan (4%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8493, 0.3158, 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 84.8493, 0.3158, 0.3210 by changing the saturation by 10% instead.

 84.8493, 0.3158,
0.3210

 84.8493, 0.3158,
0.3210

511.1293, 0.3144,
0.3246

 63.7169, 0.3161,
0.3202


140.1626, 0.3153,
0.3222

 46.4214, 0.3165,
0.3192


175.1123, 0.3151,
0.3227

 32.5785, 0.3169,
0.3180


215.4365, 0.3150,
0.3231

 21.8037, 0.3175,
0.3165

261.5196, 0.3148,
0.3235

 13.7128, 0.3183,
0.3144

313.7460, 0.3147,
0.3238

 7.9212, 0.3194,
0.3116

372.5002, 0.3146,

 4.0445, 0.3210,

0.3241

0.3074

438.1665, 0.3145,
0.3244

■ 1.6985, 0.3236,
0.3004

■ 0.4227, 0.3369,
0.2660

■ 84.8493, 0.3158,
0.3210

■ 84.8493, 0.3158,
0.3210

■ 71.3203, 0.3230,
0.3041

■ 98.0414, 0.3099,
0.3336

■ 59.6753, 0.3314,
0.2866

■ 98.3440, 0.3072,
0.3290

■ 49.8326, 0.3412,
0.2690

■ 41.7001, 0.3525,
0.2521

■ 35.1774, 0.3651,
0.2368

■ 30.1535, 0.3788,
0.2241

■ 26.5036, 0.3934,
0.2152

■ 24.0821, 0.4082,
0.2111

■ 22.7104, 0.4227,
0.2122

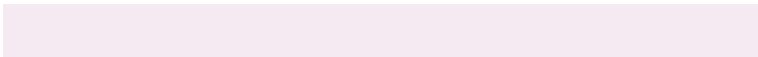
Harmonies

Analogous

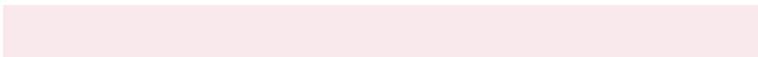
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8493, 0.3089, 0.3178



84.8493, 0.3158, 0.3210



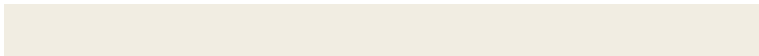
84.8493, 0.3220, 0.3263

Triad

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



84.8493, 0.3158, 0.3210



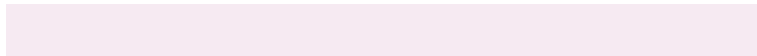
84.8493, 0.3225, 0.3406



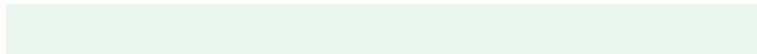
84.8493, 0.3000, 0.3255

Complementary

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



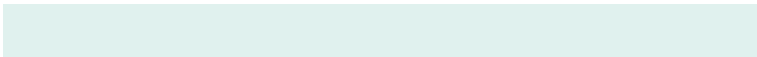
84.8493, 0.3158, 0.3210



89.6127, 0.3098, 0.3371

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.



84.8493, 0.3035, 0.3317



84.8493, 0.3158, 0.3210



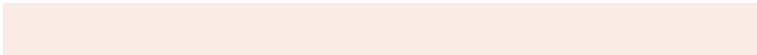
84.8493, 0.3165, 0.3405

Square

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



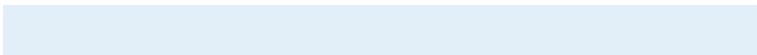
84.8493, 0.3158, 0.3210



84.8493, 0.3258, 0.3376



84.8493, 0.3096, 0.3372



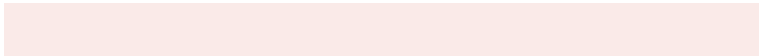
84.8493, 0.2998, 0.3203

Rectangle

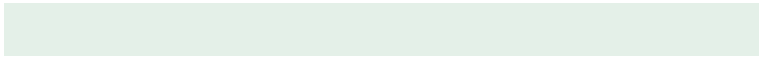
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8493, 0.3158, 0.3210



84.8493, 0.3248, 0.3303



84.8493, 0.3096, 0.3372



84.8493, 0.3008, 0.3275

Sweetspot

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



84.8530, 0.3158, 0.3210



98.3291, 0.3133, 0.3274



83.6729, 0.3079, 0.3168



21.0641, 0.3133, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

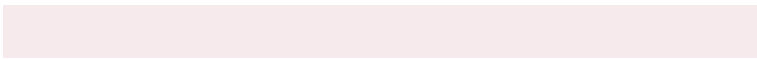
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8530, 0.3158, 0.3210



90.2990, 0.3165, 0.3192



84.4964, 0.3196, 0.3270



17.5085, 0.3170, 0.3181



11.9131, 0.4276, 0.2129



1.0661, 0.4108, 0.2037

Inverse Universe

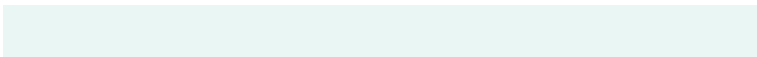
The Inverse Universe completely reimagines the original color for something new.



84.8530, 0.3158, 0.3210



90.2990, 0.3165, 0.3192



89.9733, 0.3062, 0.3310



17.5085, 0.3170, 0.3181



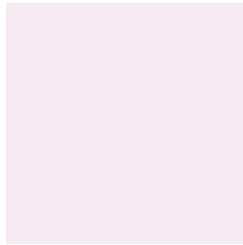
11.9131, 0.4276, 0.2129



1.0661, 0.4108, 0.2037

Previews

White Background



This preview shows how the Yxy color 84.8493, 0.3158, 0.3210 looks on a white background.

Color Contrast Check

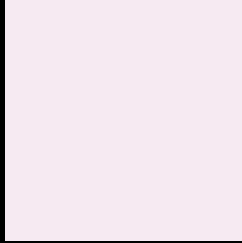
Large Text (above 18pt) WCAG AA × Fail

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 84.8493, 0.3158, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

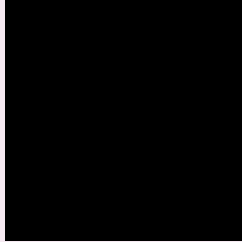
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

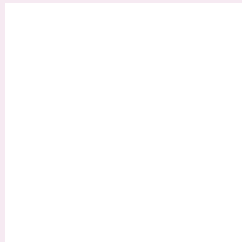
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8493, 0.3158, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 84.8493, 0.3158, 0.3210.

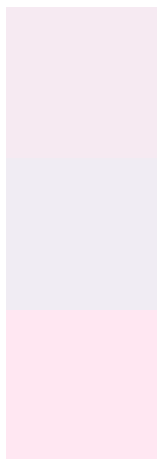


This preview shows how white text looks on a background with the Yxy color 84.8493, 0.3158, 0.3210.

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

84.8493, 0.3158, 0.3210

Protanopia

84.9872, 0.3111, 0.3220

Deuteranopia

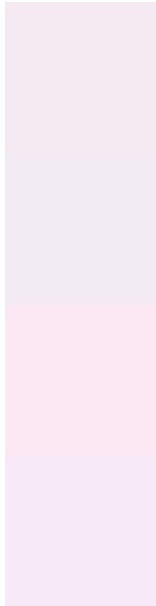
84.8226, 0.3221, 0.3183



Tritanopia

85.0170, 0.3109, 0.3113

Trichromacy



Original Color

84.8493, 0.3158, 0.3210

Protanomaly

84.7650, 0.3124, 0.3210

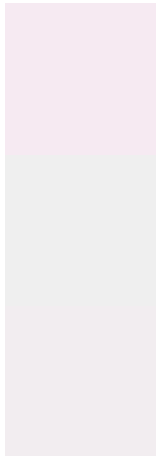
Deuteranomaly

84.8195, 0.3200, 0.3192

Tritanomaly

84.8293, 0.3127, 0.3142

Monochromacy



Original Color

84.8493, 0.3158, 0.3210

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.7369, 0.3142, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8493, 0.3158, 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(246, 234, 242)` looks like.

```
.text, #text, p{  
    color:rgb(246, 234, 242)  
}
```

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(246, 234, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 234, 242) }
```

Border

The CSS property to change the border of an element to Yxy 84.8493, 0.3158, 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(246, 234, 242) }
```

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

```
.border{ border-color:rgb(246, 234, 242) }
```

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

Here you see how a box with a 4 pixel rgb(246, 234, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 234, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 234, 242);  
box-shadow:4px 4px 4px 4px rgb(246, 234,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8493, 0.3158, 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(246, 234, 242) }
```

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

```
.background{ background-color: rgb(246,  
234, 242) }
```

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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