

Converting Colors

$Y_{xy}(89.0254, 0.3166, 0.3304)$

Have a look what the booklet for
Yxy(89.0254, 0.3166, 0.3304)
contains.

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Color

Yxy(88.7947, 0.3166, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	F6F1F0
RGB	246, 241, 240
RGB Percent	96%, 95%, 94%
CMY	0.0353, 0.0549, 0.0588
CMYK	0.00, 0.02, 0.02, 0.04
HSL	10°, 25%, 95%
HSV	10°, 2%, 96%
XYZ	85.1891, 88.7947, 95.0911
YIQ	242.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

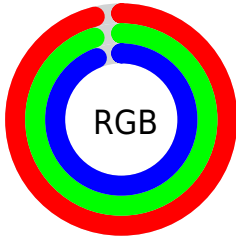
Format	Color
R _Y B	246, 241, 240
Decimal	16183792
CIE Lab	95.49, 1.50, 1.06
CIE LCh	95, 1.836, 35.271
Yxy	88.7947, 0.3166, 0.3300
Android (android.graphics.Color)	4294373872 (0xFFFF6F1F0)
YUV	242.3810, -1.1738, 3.1739
Hunter-Lab	94.2309, -3.5319, 6.1305

Details

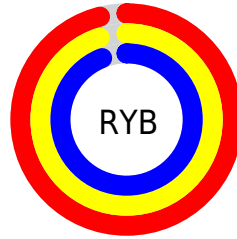
The Yxy color **88.7947, 0.3166, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.4835, 0.3089, 0.3280**, and the grayscale version is **89.1205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1058, 0.3177, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **75.9756, 0.3347, 0.3343**, and if you desaturate by 10%, it is **98.3324, 0.3072, 0.3290**.

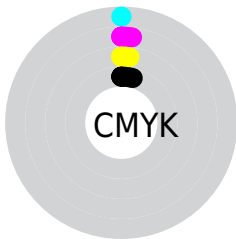
Distribution



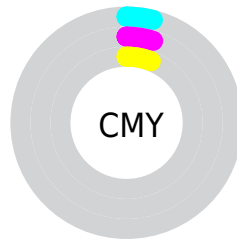
- Red (96%)
- Green (95%)
- Blue (94%)



- Red (96%)
- Yellow (95%)
- Blue (94%)



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



- Cyan (4%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7947, 0.3166, 0.3300 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 88.7947, 0.3166, 0.3300 by changing the saturation by 10% instead.

88.7947, 0.3166,
0.3300

88.7947, 0.3166,
0.3300

524.1022, 0.3149,
0.3296

66.9814, 0.3170,
0.3301

145.6630, 0.3160,
0.3299

49.0695, 0.3174,
0.3302

181.4869, 0.3158,
0.3298

34.6746, 0.3180,
0.3304

222.7497, 0.3156,
0.3297

23.4123, 0.3188,
0.3305

269.8359, 0.3154,
0.3297

14.8983, 0.3198,
0.3308

323.1298, 0.3152,
0.3297

8.7480, 0.3211,
0.3311

383.0159, 0.3151,

4.5772, 0.3232,

0.3296

0.3316

449.8786, 0.3150,
0.3296

■ 2.0014, 0.3265,
0.3324

■ 0.6083, 0.3394,
0.3358

■ 88.7947, 0.3166,
0.3300

■ 88.7947, 0.3166,
0.3300

■ 75.9756, 0.3347,
0.3343

■ 98.3324, 0.3072,
0.3290

■ 64.6627, 0.3567,
0.3389

■ 54.8042, 0.3834,
0.3437

■ 46.3405, 0.4153,
0.3482

■ 39.2084, 0.4525,
0.3522

■ 33.3393, 0.4941,
0.3547

■ 28.6586, 0.5373,
0.3551

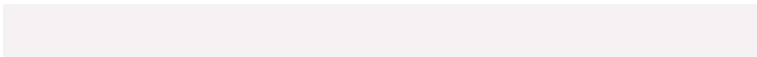
■ 25.0838, 0.5775,
0.3525

■ 22.5212, 0.6092,
0.3468

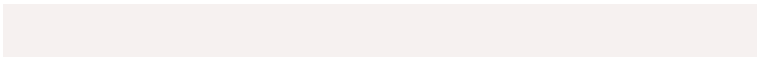
Harmonies

Analogous

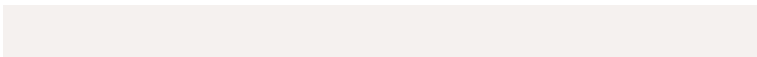
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7947, 0.3155, 0.3282



88.7947, 0.3166, 0.3300



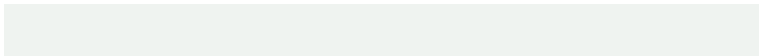
88.7947, 0.3167, 0.3316

Triad

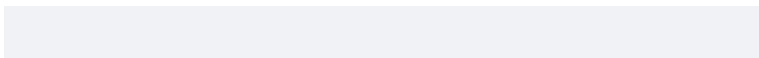
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7947, 0.3166, 0.3300



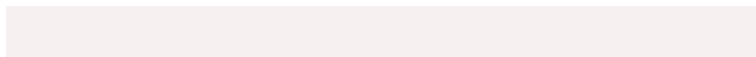
88.7947, 0.3118, 0.3315



88.7947, 0.3098, 0.3256

Complementary

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



88.7947, 0.3166, 0.3300



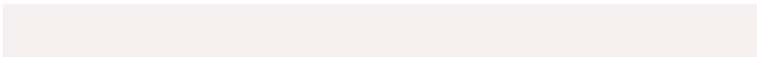
90.4835, 0.3089, 0.3280

Split Complementary

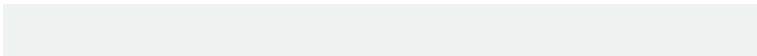
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7947, 0.3088, 0.3264



88.7947, 0.3166, 0.3300



88.7947, 0.3100, 0.3299

Square

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



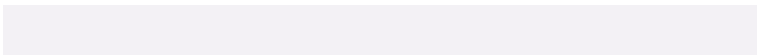
88.7947, 0.3166, 0.3300



88.7947, 0.3139, 0.3325



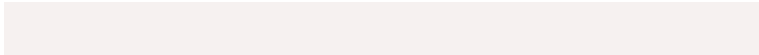
88.7947, 0.3089, 0.3280



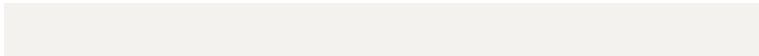
88.7947, 0.3115, 0.3256

Rectangle

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



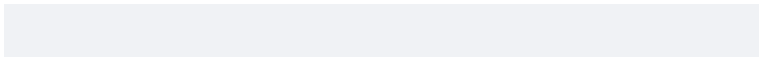
88.7947, 0.3166, 0.3300



88.7947, 0.3161, 0.3323



88.7947, 0.3089, 0.3280



88.7947, 0.3093, 0.3258

Sweetspot

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



88.7985, 0.3166, 0.3300



98.4889, 0.3143, 0.3294



88.5090, 0.3136, 0.3241



21.0966, 0.3142, 0.3294



0.0000, 0.0000, 0.0000



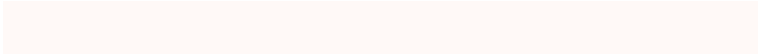
21.4041, 0.3127, 0.3290

Same Dimension

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



88.7985, 0.3166, 0.3300



95.5179, 0.3175, 0.3302



90.5858, 0.3164, 0.3330



18.4957, 0.3188, 0.3306



11.4415, 0.6233, 0.3433



1.1316, 0.6017, 0.3604

Inverse Universe

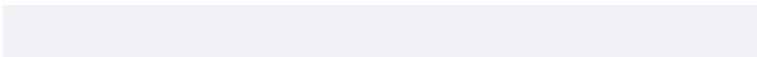
The Inverse Universe completely reimagines the original color for something new.



90.4835, 0.3089, 0.3280



97.7659, 0.3080, 0.3278



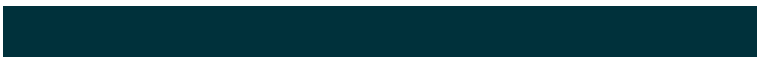
88.6865, 0.3090, 0.3250



19.0488, 0.3068, 0.3274



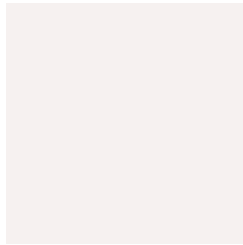
27.0210, 0.2097, 0.2749



2.4972, 0.2118, 0.2824

Previews

White Background



This preview shows how the Yxy color 88.7947, 0.3166, 0.3300 looks on a white background.

Color Contrast Check

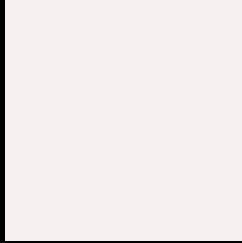
Large Text (above 18pt) WCAG AA × Fail

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 88.7947, 0.3166, 0.3300 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

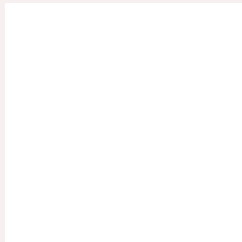
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7947, 0.3166, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 88.7947, 0.3166, 0.3300.

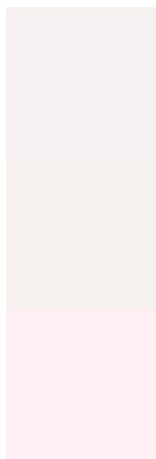


This preview shows how white text looks on a background with the Yxy color 88.7947, 0.3166, 0.3300.

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

88.7947, 0.3166, 0.3300

Protanopia

88.9760, 0.3173, 0.3300

Deuteranopia

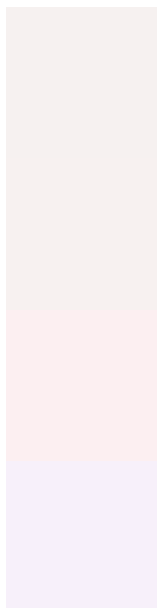
88.8199, 0.3216, 0.3251



Tritanopia

88.9095, 0.3089, 0.3134

Trichromacy



Original Color

88.7947, 0.3166, 0.3300

Protanomaly

88.9760, 0.3173, 0.3300

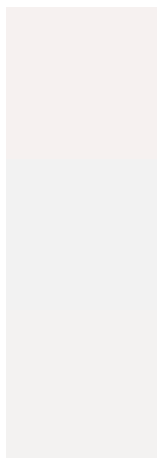
Deuteranomaly

88.7793, 0.3201, 0.3271

Tritanomaly

88.9965, 0.3112, 0.3192

Monochromacy



Original Color

88.7947, 0.3166, 0.3300

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.9098, 0.3140, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7947, 0.3166, 0.3300 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, 241, 240)` looks like.

```
.text, #text, p{  
    color:rgb(246, 241, 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(246, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 241, 240) }
```

Border

The CSS property to change the border of an element to Yxy 88.7947, 0.3166, 0.3300 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, 241, 240) }
```

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

```
.border{ border-color:rgb(246, 241, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 241, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(246, 241,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7947, 0.3166, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 241, 240) }
```

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

```
.background{ background-color: rgb(246,  
241, 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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