

Converting Colors

Yxy(83.8120, 0.4153, 0.5063)

Have a look what the booklet for
Yxy(83.8120, 0.4153, 0.5063)
contains.

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Color

Yxy(83.8618, 0.4149, 0.5067)

Conversions

Conversions Part 1

Format	Color
Hex	F0F50E
RGB	240, 245, 14
RGB Percent	94%, 96%, 5%
CMY	0.0588, 0.0392, 0.9458
CMYK	0.02, 0.00, 0.94, 0.04
HSL	61°, 92%, 51%
HSV	61°, 94%, 96%
XYZ	68.6684, 83.8618, 12.9757
YIQ	217.1710, 71.1710, -72.9010

Conversions

Conversions Part 2

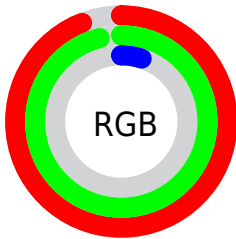
Format	Color
R _Y B	14, 245, 19
Decimal	15791374
CIE Lab	93.39, -22.86, 90.18
CIE LCh	93, 93.035, 104.223
Yxy	83.8618, 0.4149, 0.5067
Android (android.graphics.Color)	4293981454 (0xFFFF0F50E)
YUV	217.1710, -100.1633, 20.0210
Hunter-Lab	91.5761, -26.4099, 55.7023

Details

The Yxy color **83.8618, 0.4149, 0.5067** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **7.0386, 0.1525, 0.0635**, and the grayscale version is **70.1649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6431, 0.3998, 0.4729**, and **45.9789, 0.4101, 0.5126** is the 20% darker color. If you saturate the color by 10%, you get **83.7823, 0.4155, 0.5083**, and if you desaturate by 10%, it is **84.0693, 0.4124, 0.5015**.

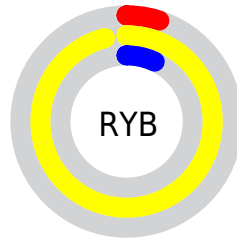
Distribution



Red (94%)

Green (96%)

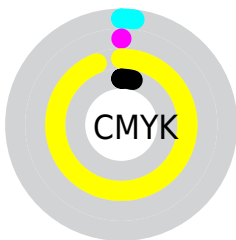
Blue (5%)



Red (5%)

Yellow (96%)

Blue (7%)

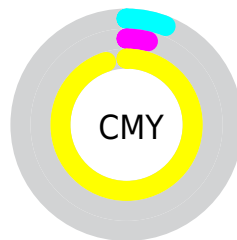


Cyan (2%)

Magenta (0%)

Yellow (94%)

Black (4%)



Cyan (6%)


Magenta (4%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8618, 0.4149, 0.5067 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 83.8618, 0.4149, 0.5067 by changing the saturation by 10% instead.


 83.8618, 0.4149,
0.5067


 83.8618, 0.4149,
0.5067

507.8542, 0.3789,
0.4322


 62.9013, 0.4195,
0.5203


 138.7818, 0.4053,
0.4834


 45.7614, 0.4233,
0.5351

 173.5102, 0.4007,
0.4736


 32.0576, 0.4254,
0.5508


 213.5967, 0.3963,
0.4648

 21.4055, 0.4267,
0.5698

 259.4256, 0.3923,
0.4569

 13.4207, 0.4179,
0.5821

 311.3815, 0.3886,
0.4497

 7.7189, 0.4033,
0.5967

 369.8486, 0.3851,

 3.9156, 0.3812,

0.4433

0.6188

435.2114, 0.3819,
0.4375

■ 1.6265, 0.3435,
0.6565

■ 0.3753, 0.0000,
1.0000

■ 83.8618, 0.4149,
0.5067

■ 83.8618, 0.4149,
0.5067

■ 83.7823, 0.4155,
0.5083

■ 84.0693, 0.4124,
0.5015

■ 84.3772, 0.4073,
0.4920

■ 84.8070, 0.3995,
0.4781

■ 85.3731, 0.3893,
0.4601

■ 86.0878, 0.3770,
0.4388

■ 86.9621, 0.3633,
0.4152

■ 88.0060, 0.3487,
0.3901

■ 89.2286, 0.3338,
0.3647

■ 90.6383, 0.3190,
0.3396

Harmonies

Analogous

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



83.8618, 0.4899, 0.4406



83.8618, 0.4149, 0.5067



83.8618, 0.3202, 0.5253

Triad

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



83.8618, 0.4149, 0.5067



83.8618, 0.1417, 0.2356



83.8618, 0.3822, 0.2387

Complementary

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



83.8618, 0.4149, 0.5067



7.0386, 0.1525, 0.0635

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.



83.8618, 0.2744, 0.1961



83.8618, 0.4149, 0.5067



83.8618, 0.1521, 0.1888

Square

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



83.8618, 0.4149, 0.5067



83.8618, 0.1655, 0.3292



83.8618, 0.1952, 0.1782



83.8618, 0.4802, 0.2989

Rectangle

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



83.8618, 0.4149, 0.5067



83.8618, 0.2570, 0.4863



83.8618, 0.1952, 0.1782



83.8618, 0.3448, 0.2221

Sweetspot

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



83.8657, 0.4149, 0.5067



95.9325, 0.3541, 0.3995



19.8665, 0.6318, 0.3308



20.4292, 0.3604, 0.4103



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.



83.8657, 0.4149, 0.5067



91.7500, 0.4155, 0.5083



69.7408, 0.3363, 0.5684



19.2943, 0.3265, 0.3524



45.1418, 0.4156, 0.5082



3.9732, 0.4161, 0.5078

Inverse Universe

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



7.0386, 0.1525, 0.0635



7.2556, 0.1505, 0.0602



11.9101, 0.2099, 0.0949



15.9438, 0.2982, 0.3045



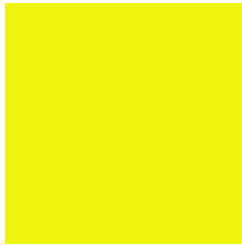
3.5775, 0.1507, 0.0604



0.3203, 0.1523, 0.0613

Previews

White Background



This preview shows how the Yxy color 83.8618, 0.4149, 0.5067 looks on a white background.

Color Contrast Check

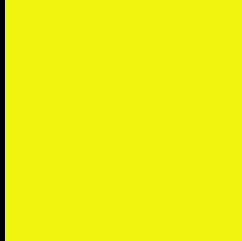
Large Text (above 18pt) WCAG AA × Fail

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 83.8618, 0.4149, 0.5067 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 83.8618, 0.4149, 0.5067

Background



This preview shows how black text looks on a background with the Yxy color 83.8618, 0.4149, 0.5067.



This preview shows how white text looks on a background with the Yxy color 83.8618, 0.4149, 0.5067.

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

83.8618, 0.4149, 0.5067

Protanopia

83.5179, 0.3803, 0.4131

Deuteranopia

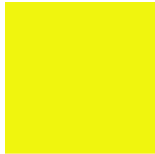
83.2850, 0.3479, 0.3583



Tritanopia

83.3394, 0.3204, 0.3124

Trichromacy



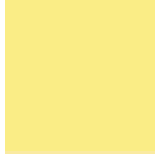
Original Color

83.8618, 0.4149, 0.5067



Protanomaly

83.0163, 0.4028, 0.4600



Deuteranomaly

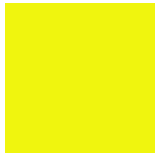
82.6136, 0.3870, 0.4320



Tritanomaly

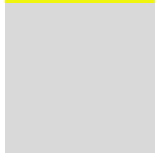
81.7428, 0.3717, 0.4036

Monochromacy



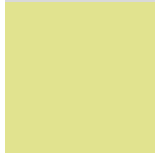
Original Color

83.8618, 0.4149, 0.5067



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.9289, 0.3667, 0.4213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8618, 0.4149, 0.5067 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(240, 245, 14)` looks like.

```
.text, #text, p{  
    color:rgb(240, 245, 14)  
}
```

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(240, 245, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 245, 14) }
```

Border

The CSS property to change the border of an element to Yxy 83.8618, 0.4149, 0.5067 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(240, 245, 14) }
```

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

```
.border{ border-color:rgb(240, 245, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 245, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 245, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 245, 14);  
box-shadow:4px 4px 4px 4px rgb(240, 245,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8618, 0.4149, 0.5067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 245, 14) }
```

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

```
.background{ background-color: rgb(240,  
245, 14) }
```

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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