

Converting Colors

Yxy(68.8909, 0.4395, 0.4868)

Have a look what the booklet for
Yxy(68.8909, 0.4395, 0.4868)
contains.

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Color

Yxy(68.8905, 0.4395, 0.4868)

Conversions

Conversions Part 1

Format	Color
Hex	F4D90E
RGB	244, 217, 14
RGB Percent	96%, 85%, 5%
CMY	0.0432, 0.1490, 0.9455
CMYK	0.00, 0.11, 0.94, 0.04
HSL	53°, 91%, 51%
HSV	53°, 94%, 96%
XYZ	62.1967, 68.8905, 10.4298
YIQ	201.9310, 81.2550, -57.4090

Conversions

Conversions Part 2

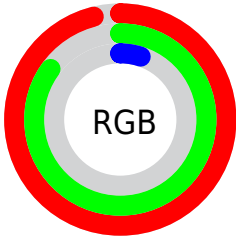
Format	Color
RYB	45, 244, 14
Decimal	16046350
CIELab	86.45, -7.50, 85.13
CIELCh	86, 85.458, 95.038
Yxy	68.8905, 0.4395, 0.4868
Android (android.graphics.Color)	4294236430 (0xFFFF4D90E)
YUV	201.9310, -92.6500, 36.8945
Hunter-Lab	83.0003, -11.4905, 50.6498

Details

The Yxy color **68.8905, 0.4395, 0.4868** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.2001, 0.1548, 0.0734**, and the grayscale version is **59.5623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **36.2617, 0.4399, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **68.0270, 0.4420, 0.4873**, and if you desaturate by 10%, it is **70.4918, 0.4335, 0.4833**.

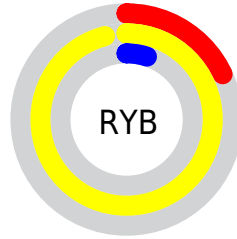
Distribution



Red (96%)

Green (85%)

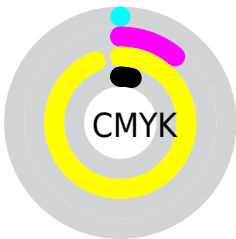
Blue (5%)



Red (18%)

Yellow (96%)

Blue (5%)

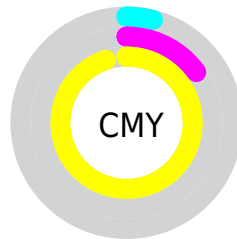


Cyan (0%)

Magenta (11%)

Yellow (94%)

Black (4%)



Cyan (4%)


Magenta (15%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8905, 0.4395, 0.4868 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 68.8905, 0.4395, 0.4868 by changing the saturation by 10% instead.


 68.8905, 0.4395,
0.4868

 68.8905, 0.4395,
0.4868


456.6447, 0.3899,
0.4215


 50.6225, 0.4471,
0.4980


 117.6252, 0.4251,
0.4669


 35.9083, 0.4544,
0.5097


 148.8607, 0.4186,
0.4583


 24.3634, 0.4605,
0.5212


 185.1874, 0.4127,
0.4505

 15.6034, 0.4661,
0.5339

 226.9899, 0.4072,
0.4435

 9.2439, 0.4621,
0.5379

 274.6525, 0.4023,
0.4372

 4.9006, 0.4560,
0.5440


 328.5595, 0.3978,

 2.1891, 0.4462,


0.4314

389.0955, 0.3937,
0.4263


0.5538

 0.7140, 0.4097,
0.5903


 0.0000, 0.0000,
0.0000


 68.8905, 0.4395,
0.4868


 68.8905, 0.4395,
0.4868

 68.0270, 0.4420,
0.4873

 70.4918, 0.4335,
0.4833

 72.2187, 0.4246,
0.4754

 74.0919, 0.4131,
0.4629

 76.1259, 0.3993,
0.4465

■ 78.3328, 0.3839,
0.4271

■ 80.7238, 0.3676,
0.4057

■ 83.3088, 0.3510,
0.3832

■ 86.0969, 0.3348,
0.3605

■ 89.0967, 0.3192,
0.3383

Harmonies

Analogous

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



68.8905, 0.5021, 0.4174



68.8905, 0.4395, 0.4868



68.8905, 0.3500, 0.5243

Triad

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



68.8905, 0.4395, 0.4868



68.8905, 0.1476, 0.2606



68.8905, 0.3473, 0.2250

Complementary

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



68.8905, 0.4395, 0.4868



8.2001, 0.1548, 0.0734

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.



68.8905, 0.2475, 0.1899



68.8905, 0.4395, 0.4868



68.8905, 0.1479, 0.2009

Square

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



68.8905, 0.4395, 0.4868



68.8905, 0.1829, 0.3658



68.8905, 0.1804, 0.1804



68.8905, 0.4520, 0.2802

Rectangle

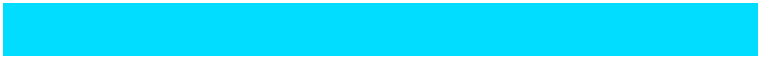
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8905, 0.4395, 0.4868



68.8905, 0.2863, 0.5057



68.8905, 0.1804, 0.1804



68.8905, 0.3114, 0.2107

Sweetspot

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



68.8938, 0.4395, 0.4868



90.9988, 0.3573, 0.3917



19.7282, 0.6127, 0.3187



19.2148, 0.3644, 0.4014



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.



68.8938, 0.4395, 0.4868



75.1665, 0.4420, 0.4872



72.1599, 0.3579, 0.5514



18.9623, 0.3271, 0.3497



37.1256, 0.4416, 0.4876



3.3550, 0.4384, 0.4901

Inverse Universe

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



8.2001, 0.1548, 0.0734



8.1433, 0.1519, 0.0668



9.4531, 0.1837, 0.0806



16.2395, 0.2979, 0.3074



4.1187, 0.1524, 0.0685



0.4614, 0.1569, 0.0847

Previews

White Background



This preview shows how the Yxy color 68.8905, 0.4395, 0.4868 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 68.8905, 0.4395, 0.4868 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 68.8905, 0.4395, 0.4868

Background



This preview shows how black text looks on a background with the Yxy color 68.8905, 0.4395, 0.4868.



This preview shows how white text looks on a background with the Yxy color 68.8905, 0.4395, 0.4868.

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

68.8905, 0.4395, 0.4868

Protanopia

68.8905, 0.4395, 0.4868

Deuteranopia

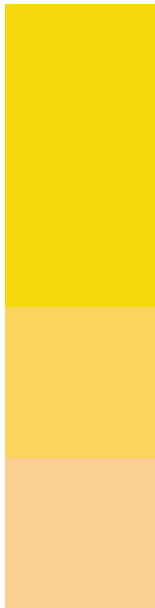
68.6385, 0.4027, 0.4036



Tritanopia

68.5108, 0.3430, 0.3138

Trichromacy



Original Color

68.8905, 0.4395, 0.4868

Protanomaly

68.8905, 0.4395, 0.4868

Deuteranomaly

68.3689, 0.4251, 0.4454

Tritanomaly

67.1180, 0.3954, 0.3958

Monochromacy



Original Color

68.8905, 0.4395, 0.4868

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

61.0986, 0.3738, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8905, 0.4395, 0.4868 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(244, 217, 14)` looks like.

```
.text, #text, p{  
    color:rgb(244, 217, 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(244, 217, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 217, 14) }
```

Border

The CSS property to change the border of an element to Yxy 68.8905, 0.4395, 0.4868 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(244, 217, 14) }
```

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

```
.border{ border-color:rgb(244, 217, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 217, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 217, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 217, 14);  
box-shadow:4px 4px 4px 4px rgb(244, 217,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8905, 0.4395, 0.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 217, 14) }
```

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

```
.background{ background-color: rgb(244,  
217, 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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