

Converting Colors

Yxy(64.4194, 0.4306, 0.4598)

Have a look what the booklet for
Yxy(64.4194, 0.4306, 0.4598)
contains.

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Color

Yxy(64.4569, 0.4304, 0.4598)

Conversions

Conversions Part 1

Format	Color
Hex	F2D048
RGB	242, 208, 72
RGB Percent	95%, 82%, 28%
CMY	0.0511, 0.1842, 0.7176
CMYK	0.00, 0.14, 0.70, 0.05
HSL	48°, 87%, 62%
HSV	48°, 70%, 95%
XYZ	60.3355, 64.4569, 15.3923
YIQ	202.6620, 63.9200, -35.0880

Conversions

Conversions Part 2

Format	Color
RYB	115, 242, 72
Decimal	15913032
CIELab	84.20, -2.19, 68.58
CIELCh	84, 68.613, 91.832
Yxy	64.4569, 0.4304, 0.4598
Android (android.graphics.Color)	4294103112 (0xFFFF2D048)
YUV	202.6620, -64.4164, 34.4994
Hunter-Lab	80.2851, -6.3533, 44.8324

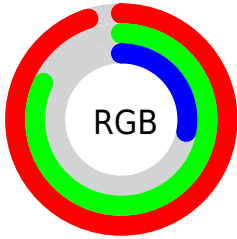
Details

The Yxy color **64.4569, 0.4304, 0.4598** is a light color, and the websafe version is hex **FFCC33**.

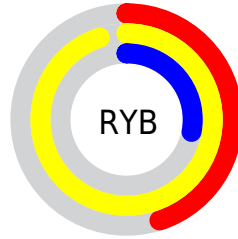
The color can be described as light washed yellow. A complement of this color would be **18.0853, 0.1861, 0.1411**, and the grayscale version is **59.8797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3385, 0.3860, 0.4501**, and **33.0563, 0.4493, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **61.8825, 0.4433, 0.4686**, and if you desaturate by 10%, it is **67.2335, 0.4151, 0.4467**.

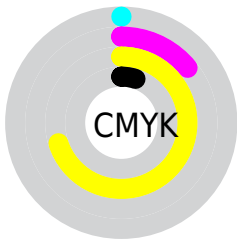
Distribution



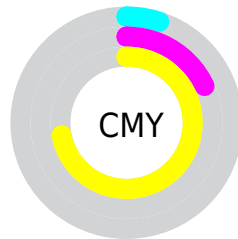
- Red (95%)
- Green (82%)
- Blue (28%)



- Red (45%)
- Yellow (95%)
- Blue (28%)



- Cyan (0%)
- Magenta (14%)
- Yellow (70%)
- Black (5%)





- Cyan (5%)
- Magenta (18%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4569, 0.4304, 0.4598 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 64.4569, 0.4304, 0.4598 by changing the saturation by 10% instead.


 64.4569, 0.4304,
0.4598


 64.4569, 0.4304,
0.4598

440.8377, 0.3800,
0.4030

 47.0208, 0.4398,
0.4707


 111.2687, 0.4144,
0.4416


 33.0521, 0.4501,
0.4826


 141.4132, 0.4077,
0.4340

 22.1664, 0.4607,
0.4954


 176.5626, 0.4017,
0.4273

 13.9792, 0.4716,
0.5090

 217.1014, 0.3964,
0.4213

 8.1062, 0.4797,
0.5203

 263.4139, 0.3916,
0.4160

 4.1630, 0.4778,
0.5222

315.8845, 0.3873,

 1.7651, 0.4746,

0.4112

0.5254

374.8977, 0.3835,
0.4069

■ 0.4653, 0.4551,
0.5449

■ 0.0000, 0.0000,
0.0000

■ 64.4569, 0.4304,
0.4598

■ 64.4569, 0.4304,
0.4598

■ 61.8825, 0.4433,
0.4686

■ 67.2335, 0.4151,
0.4467


■ 59.4849, 0.4533,
0.4727


■ 70.2166, 0.3982,
0.4301


■ 57.2930, 0.4604,
0.4726


■ 73.4214, 0.3805,
0.4111


■ 76.8586, 0.3626,
0.3908

 80.5382, 0.3451,
0.3699

 84.4693, 0.3286,
0.3493

 88.6606, 0.3131,
0.3295

 92.4198, 0.3049,
0.3208

 95.4094, 0.3048,
0.3256

Harmonies

Analogous

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



64.4569, 0.4762, 0.4033



64.4569, 0.4304, 0.4598



64.4569, 0.3570, 0.4883

Triad

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



64.4569, 0.4304, 0.4598



64.4569, 0.1737, 0.2824



64.4569, 0.3328, 0.2363

Complementary

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



64.4569, 0.4304, 0.4598



18.0853, 0.1861, 0.1411

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.



64.4569, 0.2513, 0.2077



64.4569, 0.4304, 0.4598



64.4569, 0.1697, 0.2256

Square

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



64.4569, 0.4304, 0.4598



64.4569, 0.2098, 0.3708



64.4569, 0.1956, 0.2027



64.4569, 0.4193, 0.2835

Rectangle

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



64.4569, 0.4304, 0.4598



64.4569, 0.3026, 0.4751



64.4569, 0.1956, 0.2027



64.4569, 0.3036, 0.2244

Sweetspot

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



64.4600, 0.4304, 0.4598



90.3825, 0.3465, 0.3716



24.5474, 0.5048, 0.2984



19.0953, 0.3513, 0.3774



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.



64.4600, 0.4304, 0.4598



68.6128, 0.4476, 0.4708



75.0265, 0.3696, 0.5098



17.8913, 0.3273, 0.3478



30.9856, 0.4596, 0.4732



2.7123, 0.4533, 0.4783

Inverse Universe

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



18.0853, 0.1861, 0.1411



13.9638, 0.1671, 0.1056



15.2546, 0.2082, 0.1198



15.7399, 0.2980, 0.3095



4.7468, 0.1555, 0.0797



0.5306, 0.1618, 0.1024

Previews

White Background



This preview shows how the Yxy color 64.4569, 0.4304, 0.4598 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 64.4569, 0.4304, 0.4598 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 64.4569, 0.4304, 0.4598

Background



This preview shows how black text looks on a background with the Yxy color 64.4569, 0.4304, 0.4598.

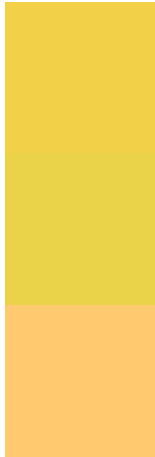


This preview shows how white text looks on a background with the Yxy color 64.4569, 0.4304, 0.4598.

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

64.4569, 0.4304, 0.4598

Protanopia

64.7317, 0.4221, 0.4651

Deuteranopia

64.1810, 0.4243, 0.4190



Tritanopia

64.5660, 0.3480, 0.3136

Trichromacy



Original Color

64.4569, 0.4304, 0.4598

Protanomaly

64.7514, 0.4253, 0.4628

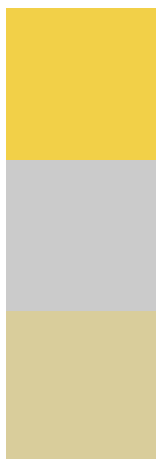
Deuteranomaly

64.3728, 0.4270, 0.4351

Tritanomaly

63.9864, 0.3837, 0.3716

Monochromacy



Original Color

64.4569, 0.4304, 0.4598

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.7809, 0.3592, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4569, 0.4304, 0.4598 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(242, 208, 72)` looks like.

```
.text, #text, p{  
    color:rgb(242, 208, 72)  
}
```

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(242, 208, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 208, 72) }
```

Border

The CSS property to change the border of an element to Yxy 64.4569, 0.4304, 0.4598 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(242, 208, 72) }
```

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

```
.border{ border-color:rgb(242, 208, 72) }
```

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

Here you see how a box with a 4 pixel rgb(242, 208, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 208, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 208, 72);  
box-shadow:4px 4px 4px 4px rgb(242, 208,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4569, 0.4304, 0.4598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 208, 72) }
```

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

```
.background{ background-color: rgb(242,  
208, 72) }
```

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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