

Converting Colors

$Yxy(58.3577, 0.4605, 0.4726)$

Have a look what the booklet for
Yxy(58.3577, 0.4605, 0.4726)
contains.

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Color

Yxy(58.2633, 0.4607, 0.4724)

Conversions

Conversions Part 1

Format	Color
Hex	F4C300
RGB	244, 195, 0
RGB Percent	96%, 76%, 0%
CMY	0.0432, 0.2352, 0.9999
CMYK	0.00, 0.20, 1.00, 0.04
HSL	48°, 100%, 48%
HSV	48°, 100%, 96%
XYZ	56.8203, 58.2633, 8.2511
YIQ	187.4210, 91.7990, -50.2570

Conversions

Conversions Part 2

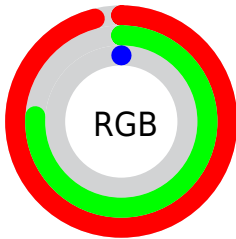
Format	Color
RYB	61, 244, 0
Decimal	16040704
CIELab	80.88, 3.60, 82.41
CIElCh	81, 82.487, 87.502
Yxy	58.2633, 0.4607, 0.4724
Android (android.graphics.Color)	4294230784 (0xFF4C300)
YUV	187.4210, -92.3986, 49.6198
Hunter-Lab	76.3304, -0.7030, 47.0222

Details

The Yxy color **58.2633, 0.4607, 0.4724** 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 **8.7272, 0.1549, 0.0776**, and the grayscale version is **50.4411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9102, 0.4065, 0.4776**, and **29.2911, 0.4643, 0.4695** is the 20% darker color. If you saturate the color by 10%, you get **58.2644, 0.4607, 0.4724**, and if you desaturate by 10%, it is **60.5651, 0.4533, 0.4725**.

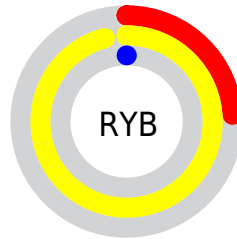
Distribution



Red (96%)

Green (76%)

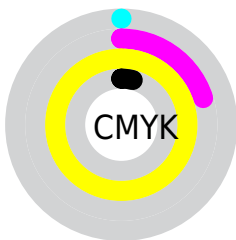
Blue (0%)



Red (24%)

Yellow (96%)

Blue (0%)

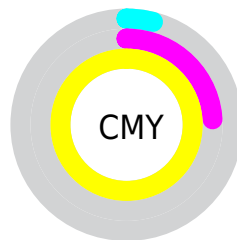


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2633, 0.4607, 0.4724 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 58.2633, 0.4607, 0.4724 by changing the saturation by 10% instead.


 58.2633, 0.4607,
0.4724


 58.2633, 0.4607,
0.4724


418.1663, 0.3993,
0.4146


 42.0204, 0.4709,
0.4814

 102.3062, 0.4422,
0.4554


 29.1172, 0.4811,
0.4900


 130.8749, 0.4341,
0.4478


 19.1695, 0.4918,
0.4985


 164.3210, 0.4268,
0.4409

 11.7928, 0.4982,
0.5018

 203.0290, 0.4201,
0.4346

 6.6028, 0.5005,
0.4995

 247.3830, 0.4142,
0.4289

 3.2149, 0.5041,
0.4959

 297.7677, 0.4087,

 1.2450, 0.5102,

0.4236

0.4898

354.5673, 0.4038,
0.4189

■ 0.0980, 0.6487,
0.3513

■ 0.0000, 0.0000,
0.0000

■ 58.2633, 0.4607,
0.4724

■ 58.2633, 0.4607,
0.4724

■ 58.2644, 0.4607,
0.4724

■ 60.5651, 0.4533,
0.4725

■ 63.0215, 0.4432,
0.4683

■ 65.6625, 0.4302,
0.4594

■ 68.5045, 0.4149,
0.4462

■ 71.5613, 0.3979,
0.4296

■ 74.8452, 0.3801,
0.4106

■ 78.3671, 0.3622,
0.3902

■ 82.1373, 0.3447,
0.3694

■ 86.1650, 0.3282,
0.3488

Harmonies

Analogous

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



58.2633, 0.5140, 0.3996



58.2633, 0.4607, 0.4724



58.2633, 0.3742, 0.5245

Triad

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



58.2633, 0.4607, 0.4724



58.2633, 0.1502, 0.2817



58.2633, 0.3201, 0.2121

Complementary

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



58.2633, 0.4607, 0.4724



8.7272, 0.1549, 0.0776

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.



58.2633, 0.2257, 0.1827



58.2633, 0.4607, 0.4724



58.2633, 0.1422, 0.2095

Square

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



58.2633, 0.4607, 0.4724



58.2633, 0.1957, 0.3982



58.2633, 0.1668, 0.1801



58.2633, 0.4302, 0.2637

Rectangle

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



58.2633, 0.4607, 0.4724



58.2633, 0.3095, 0.5222



58.2633, 0.1668, 0.1801



58.2633, 0.2852, 0.1995

Sweetspot

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



58.2662, 0.4607, 0.4724



86.6046, 0.3623, 0.3904



19.4872, 0.6067, 0.3116



18.1779, 0.3699, 0.3991



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.



58.2662, 0.4607, 0.4724



64.3552, 0.4608, 0.4723



73.7919, 0.3693, 0.5450



18.7153, 0.3274, 0.3478



31.8835, 0.4599, 0.4730



2.9423, 0.4538, 0.4778

Inverse Universe

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



8.7272, 0.1549, 0.0776



9.6043, 0.1548, 0.0773



7.8018, 0.1668, 0.0692



16.4654, 0.2979, 0.3095



4.8978, 0.1555, 0.0797



0.5696, 0.1614, 0.1012

Previews

White Background



This preview shows how the Yxy color 58.2633, 0.4607, 0.4724 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 58.2633, 0.4607, 0.4724 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 58.2633, 0.4607, 0.4724

Background



This preview shows how black text looks on a background with the Yxy color 58.2633, 0.4607, 0.4724.

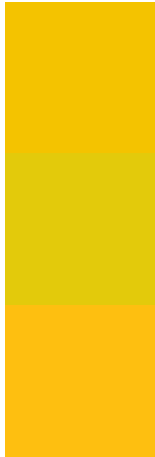


This preview shows how white text looks on a background with the Yxy color 58.2633, 0.4607, 0.4724.

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

58.2633, 0.4607, 0.4724

Protanopia

58.5961, 0.4394, 0.4871

Deuteranopia

58.3698, 0.4708, 0.4611



Tritanopia

58.0587, 0.3643, 0.3145

Trichromacy



Original Color

58.2633, 0.4607, 0.4724

Protanomaly

58.1858, 0.4474, 0.4815

Deuteranomaly

58.0452, 0.4674, 0.4651

Tritanomaly

56.8970, 0.4199, 0.3941

Monochromacy



Original Color

58.2633, 0.4607, 0.4724

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.5687, 0.3845, 0.4152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2633, 0.4607, 0.4724 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, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(244, 195, 0)  
}
```

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, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 195, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.2633, 0.4607, 0.4724 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, 195, 0) }
```

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

```
.border{ border-color:rgb(244, 195, 0) }
```

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

Here you see how a box with a 4 pixel rgb(244, 195, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(244, 195,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2633, 0.4607, 0.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 195, 0) }
```

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

```
.background{ background-color: rgb(244,  
195, 0) }
```

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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