

Converting Colors

Yxy(67.8514, 0.4421, 0.4841)

Have a look what the booklet for
Yxy(67.8514, 0.4421, 0.4841)
contains.

Yxy(68.0538, 0.4417, 0.4843)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.0538, 0.4417, 0.4843)

Conversions

Conversions Part 1

Format	Color
Hex	F5D711
RGB	245, 215, 17
RGB Percent	96%, 84%, 7%
CMY	0.0391, 0.1569, 0.9329
CMYK	0.00, 0.12, 0.93, 0.04
HSL	52°, 92%, 51%
HSV	52°, 93%, 96%
XYZ	62.0677, 68.0538, 10.3985
YIQ	201.3980, 81.4380, -55.2180

Conversions

Conversions Part 2

Format	Color
RYB	52, 245, 17
Decimal	16111377
CIELab	86.03, -6.01, 84.50
CIELCh	86, 84.715, 94.068
Yxy	68.0538, 0.4417, 0.4843
Android (android.graphics.Color)	4294301457 (0xFFFF5D711)
YUV	201.3980, -90.9082, 38.2390
Hunter-Lab	82.4947, -10.0654, 50.2728

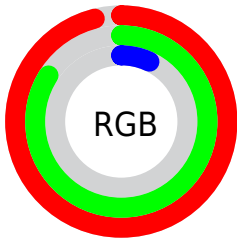
Details

The Yxy color **68.0538, 0.4417, 0.4843** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **8.7602, 0.1561, 0.0771**, and the grayscale version is **59.2187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **35.6801, 0.4432, 0.4863** is the 20% darker color. If you saturate the color by 10%, you get **66.8755, 0.4451, 0.4848**, and if you desaturate by 10%, it is **69.8418, 0.4349, 0.4805**.

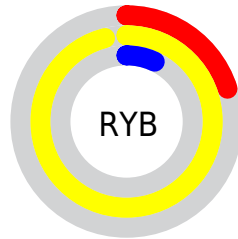
Distribution



Red (96%)

Green (84%)

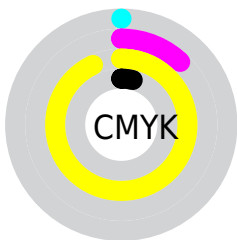
Blue (7%)



Red (20%)

Yellow (96%)

Blue (7%)

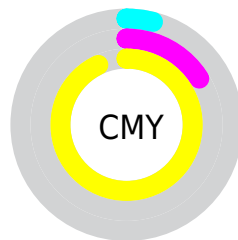


Cyan (0%)

Magenta (12%)

Yellow (93%)

Black (4%)



Cyan (4%)


Magenta (16%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0538, 0.4417, 0.4843 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 68.0538, 0.4417, 0.4843 by changing the saturation by 10% instead.

 68.0538, 0.4417,
0.4843


 68.0538, 0.4417,
0.4843

453.6866, 0.3908,
0.4202


 49.9415, 0.4497,
0.4953


 116.4291, 0.4268,
0.4648


 35.3669, 0.4574,
0.5066


 147.4609, 0.4201,
0.4563


 23.9457, 0.4640,
0.5177

 183.5680, 0.4140,
0.4487

 15.2933, 0.4703,
0.5297

 225.1348, 0.4085,
0.4418

 9.0255, 0.4670,
0.5330

 272.5456, 0.4034,
0.4356

 4.7578, 0.4621,
0.5379


 326.1849, 0.3988,


 2.1059, 0.4541,


0.4300


386.4371, 0.3946,
0.4249


0.5459


 0.6679, 0.4222,
0.5778


 0.0000, 0.0000,
0.0000

 68.0538, 0.4417,
0.4843


 68.0538, 0.4417,
0.4843


 66.8755, 0.4451,
0.4848


 69.8418, 0.4349,
0.4805

 71.7658, 0.4252,
0.4721


 73.8465, 0.4128,
0.4593

 76.0979, 0.3984,
0.4426

 78.5325, 0.3825,
0.4231

 81.1613, 0.3658,
0.4017

 83.9942, 0.3491,
0.3795

 87.0405, 0.3328,
0.3571

 90.3087, 0.3172,
0.3354

Harmonies

Analogous

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



68.0538, 0.5027, 0.4150



68.0538, 0.4417, 0.4843



68.0538, 0.3531, 0.5232

Triad

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



68.0538, 0.4417, 0.4843



68.0538, 0.1487, 0.2636



68.0538, 0.3436, 0.2239

Complementary

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



68.0538, 0.4417, 0.4843



8.7602, 0.1561, 0.0771

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.



68.0538, 0.2451, 0.1896



68.0538, 0.4417, 0.4843



68.0538, 0.1479, 0.2027

Square

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



68.0538, 0.4417, 0.4843



68.0538, 0.1852, 0.3696



68.0538, 0.1793, 0.1811



68.0538, 0.4484, 0.2784

Rectangle

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



68.0538, 0.4417, 0.4843



68.0538, 0.2896, 0.5067



68.0538, 0.1793, 0.1811



68.0538, 0.3081, 0.2098

Sweetspot

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



68.0571, 0.4417, 0.4843



90.3658, 0.3575, 0.3908



20.0324, 0.6093, 0.3179



19.0596, 0.3648, 0.4003



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.



68.0571, 0.4417, 0.4843



73.1789, 0.4451, 0.4848



72.9921, 0.3585, 0.5502



18.9191, 0.3272, 0.3494



36.1629, 0.4446, 0.4852



3.2798, 0.4410, 0.4881

Inverse Universe

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



8.7602, 0.1561, 0.0771



8.3419, 0.1523, 0.0683



9.7475, 0.1852, 0.0820



16.2787, 0.2979, 0.3078



4.2271, 0.1528, 0.0701



0.4800, 0.1577, 0.0876

Previews

White Background



This preview shows how the Yxy color 68.0538, 0.4417, 0.4843 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 68.0538, 0.4417, 0.4843 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 68.0538, 0.4417, 0.4843

Background



This preview shows how black text looks on a background with the Yxy color 68.0538, 0.4417, 0.4843.



This preview shows how white text looks on a background with the Yxy color 68.0538, 0.4417, 0.4843.

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

68.0538, 0.4417, 0.4843

Protanopia

68.2101, 0.4392, 0.4861

Deuteranopia

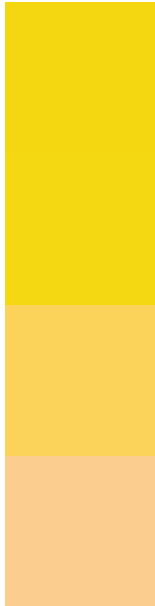
68.0104, 0.4067, 0.4074



Tritanopia

67.9396, 0.3447, 0.3148

Trichromacy



Original Color

68.0538, 0.4417, 0.4843

Protanomaly

68.3885, 0.4399, 0.4855

Deuteranomaly

67.8359, 0.4268, 0.4460

Tritanomaly

66.6350, 0.3959, 0.3948

Monochromacy



Original Color

68.0538, 0.4417, 0.4843

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.6156, 0.3742, 0.4125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0538, 0.4417, 0.4843 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(245, 215, 17)` looks like.

```
.text, #text, p{  
    color:rgb(245, 215, 17)  
}
```

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(245, 215, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 215, 17) }
```

Border

The CSS property to change the border of an element to Yxy 68.0538, 0.4417, 0.4843 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(245, 215, 17) }
```

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

```
.border{ border-color:rgb(245, 215, 17) }
```

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

Here you see how a box with a 4 pixel rgb(245, 215, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 215, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 215, 17);  
box-shadow:4px 4px 4px 4px rgb(245, 215,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0538, 0.4417, 0.4843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 215, 17) }
```

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

```
.background{ background-color: rgb(245,  
215, 17) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor