

Converting Colors

Yxy(66.7834, 0.4450, 0.4849)

Have a look what the booklet for
Yxy(66.7834, 0.4450, 0.4849)
contains.

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Color

Yxy(67.0010, 0.4448, 0.4850)

Conversions

Conversions Part 1

Format	Color
Hex	F5D500
RGB	245, 213, 0
RGB Percent	96%, 84%, 0%
CMY	0.0393, 0.1647, 0.9993
CMYK	0.00, 0.13, 1.00, 0.04
HSL	52°, 100%, 48%
HSV	52°, 100%, 96%
XYZ	61.4475, 67.0010, 9.6979
YIQ	198.2860, 87.4450, -59.4590

Conversions

Conversions Part 2

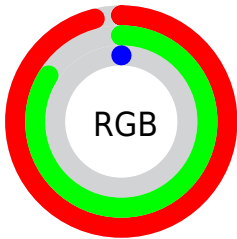
Format	Color
R _Y B	37, 245, 0
Decimal	16110848
CIE Lab	85.50, -5.18, 85.69
CIE LCh	86, 85.847, 93.459
Yxy	67.0010, 0.4448, 0.4850
Android (android.graphics.Color)	4294300928 (0xFFFF5D500)
YUV	198.2860, -97.7550, 40.9682
Hunter-Lab	81.8541, -9.2456, 50.2734

Details

The Yxy color **67.0010, 0.4448, 0.4850** 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 **7.6334, 0.1524, 0.0684**, and the grayscale version is **57.2351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **34.9866, 0.4454, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **66.9929, 0.4448, 0.4850**, and if you desaturate by 10%, it is **68.6983, 0.4397, 0.4838**.

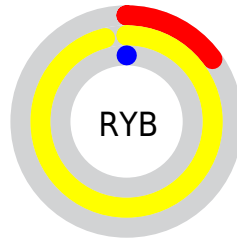
Distribution



Red (96%)

Green (84%)

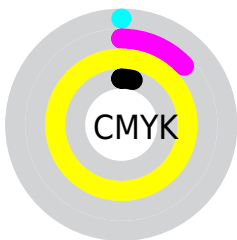
Blue (0%)



Red (15%)

Yellow (96%)

Blue (0%)

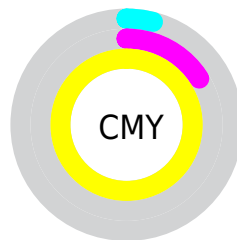


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0010, 0.4448, 0.4850 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 67.0010, 0.4448, 0.4850 by changing the saturation by 10% instead.

 67.0010, 0.4448,
0.4850


 67.0010, 0.4448,
0.4850


449.9483, 0.3928,
0.4211

 49.0854, 0.4528,
0.4957


 114.9218, 0.4296,
0.4657


 34.6873, 0.4606,
0.5067


 145.6959, 0.4228,
0.4573

 23.4221, 0.4673,
0.5173


 181.5250, 0.4166,
0.4497

 14.9055, 0.4725,
0.5275

 222.7933, 0.4109,
0.4428

 8.7531, 0.4696,
0.5304

 269.8855, 0.4057,
0.4366

 4.5805, 0.4653,
0.5347

 323.1858, 0.4010,

 2.0033, 0.4582,

0.4309

383.0786, 0.3967,
0.4258

0.5418

■ 0.6094, 0.4263,
0.5737

■ 0.0000, 0.0000,
0.0000

■ 67.0010, 0.4448,
0.4850

■ 67.0010, 0.4448,
0.4850

■ 66.9929, 0.4448,
0.4850

■ 68.6983, 0.4397,
0.4838

■ 70.5103, 0.4320,
0.4786

■ 72.4668, 0.4215,
0.4687

■ 74.5839, 0.4085,
0.4546

■ 76.8751, 0.3935,
0.4370

■ 79.3522, 0.3773,
0.4168

■ 82.0260, 0.3606,
0.3950

■ 84.9062, 0.3440,
0.3726

■ 88.0017, 0.3279,
0.3504

Harmonies

Analogous

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



67.0010, 0.5063, 0.4140



67.0010, 0.4448, 0.4850



67.0010, 0.3551, 0.5267

Triad

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



67.0010, 0.4448, 0.4850



67.0010, 0.1467, 0.2639



67.0010, 0.3418, 0.2214

Complementary

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



67.0010, 0.4448, 0.4850



7.6334, 0.1524, 0.0684

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.



67.0010, 0.2422, 0.1872



67.0010, 0.4448, 0.4850



67.0010, 0.1454, 0.2014

Square

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



67.0010, 0.4448, 0.4850



67.0010, 0.1842, 0.3728



67.0010, 0.1763, 0.1791



67.0010, 0.4490, 0.2762

Rectangle

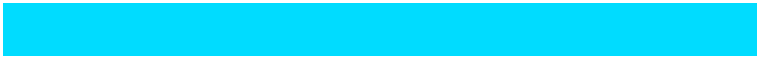
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.0010, 0.4448, 0.4850



67.0010, 0.2907, 0.5117



67.0010, 0.1763, 0.1791



67.0010, 0.3057, 0.2073

Sweetspot

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



67.0042, 0.4448, 0.4850



89.8046, 0.3609, 0.3953



19.5222, 0.6254, 0.3219



18.9515, 0.3679, 0.4046



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.



67.0042, 0.4448, 0.4850



73.3411, 0.4449, 0.4850



72.2866, 0.3554, 0.5560



18.9226, 0.3272, 0.3494



36.2415, 0.4444, 0.4854



3.2859, 0.4408, 0.4882

Inverse Universe

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



7.6334, 0.1524, 0.0684



8.3247, 0.1523, 0.0681



8.7657, 0.1777, 0.0753



16.2755, 0.2979, 0.3078



4.2178, 0.1528, 0.0700



0.4784, 0.1576, 0.0873

Previews

White Background



This preview shows how the Yxy color 67.0010, 0.4448, 0.4850 looks on a white background.

Color Contrast Check

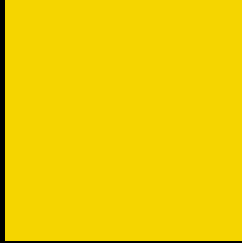
Large Text (above 18pt) WCAG AA × Fail

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 67.0010, 0.4448, 0.4850 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 67.0010, 0.4448, 0.4850

Background



This preview shows how black text looks on a background with the Yxy color 67.0010, 0.4448, 0.4850.



This preview shows how white text looks on a background with the Yxy color 67.0010, 0.4448, 0.4850.

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

67.0010, 0.4448, 0.4850

Protanopia

66.8049, 0.4405, 0.4876

Deuteranopia

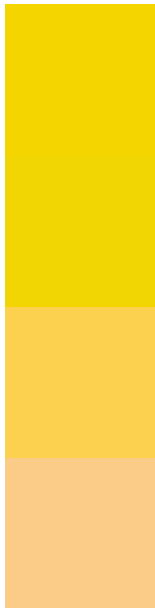
66.8578, 0.4126, 0.4121



Tritanopia

66.9109, 0.3466, 0.3148

Trichromacy



Original Color

67.0010, 0.4448, 0.4850

Protanomaly

66.9770, 0.4414, 0.4872

Deuteranomaly

66.6747, 0.4337, 0.4518

Tritanomaly

65.4725, 0.4019, 0.3998

Monochromacy



Original Color

67.0010, 0.4448, 0.4850

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

58.6653, 0.3794, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0010, 0.4448, 0.4850 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, 213, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 213, 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(245, 213, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 213, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.0010, 0.4448, 0.4850 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, 213, 0) }
```

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

```
.border{ border-color:rgb(245, 213, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 213, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 213, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 213, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 213,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0010, 0.4448, 0.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 213, 0) }
```

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

```
.background{ background-color: rgb(245,  
213, 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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