

Converting Colors

Yxy(66.5885, 0.4450, 0.4840)

Have a look what the booklet for
Yxy(66.5885, 0.4450, 0.4840)
contains.

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Color

Yxy(66.5104, 0.4453, 0.4837)

Conversions

Conversions Part 1

Format	Color
Hex	F5D405
RGB	245, 212, 5
RGB Percent	96%, 83%, 2%
CMY	0.0392, 0.1686, 0.9791
CMYK	0.00, 0.13, 0.98, 0.04
HSL	52°, 96%, 49%
HSV	52°, 98%, 96%
XYZ	61.2303, 66.5104, 9.7627
YIQ	198.2690, 86.1150, -57.3810

Conversions

Conversions Part 2

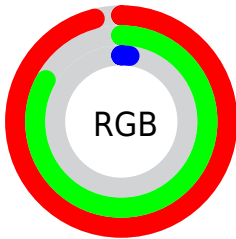
Format	Color
RYB	43, 245, 5
Decimal	16110597
CIELab	85.26, -4.62, 85.06
CIELCh	85, 85.189, 93.108
Yxy	66.5104, 0.4453, 0.4837
Android (android.graphics.Color)	4294300677 (0xFFFF5D405)
YUV	198.2690, -95.2816, 40.9831
Hunter-Lab	81.5539, -8.7024, 49.9902

Details

The Yxy color **66.5104, 0.4453, 0.4837** 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 **8.0347, 0.1536, 0.0715**, and the grayscale version is **57.2214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **34.6441, 0.4466, 0.4836** is the 20% darker color. If you saturate the color by 10%, you get **66.1362, 0.4464, 0.4838**, and if you desaturate by 10%, it is **68.2993, 0.4396, 0.4820**.

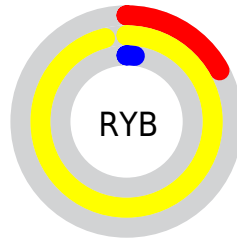
Distribution



Red (96%)

Green (83%)

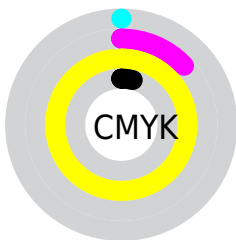
Blue (2%)



Red (17%)

Yellow (96%)

Blue (2%)

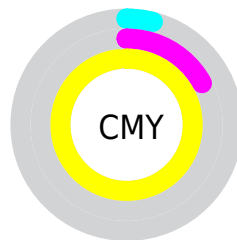


Cyan (0%)

Magenta (13%)

Yellow (98%)

Black (4%)



Cyan (4%)


Magenta (17%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5104, 0.4453, 0.4837 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 66.5104, 0.4453, 0.4837 by changing the saturation by 10% instead.


 66.5104, 0.4453,
0.4837


 66.5104, 0.4453,
0.4837


448.2000, 0.3928,
0.4203

 48.6869, 0.4535,
0.4943

 114.2186, 0.4299,
0.4645


 34.3711, 0.4614,
0.5052


 144.8720, 0.4231,
0.4562

 23.1789, 0.4684,
0.5157


 180.5708, 0.4168,
0.4486

 14.7256, 0.4741,
0.5259

 221.6995, 0.4110,
0.4418

 8.6271, 0.4715,
0.5285

 268.6423, 0.4058,
0.4356

 4.4987, 0.4676,
0.5324

 321.7838, 0.4011,

 1.9563, 0.4612,

0.4300

0.5388

381.5082, 0.3967,
0.4249

■ 0.5819, 0.4307,
0.5693

■ 0.0000, 0.0000,
0.0000

■ 66.5104, 0.4453,
0.4837

■ 66.5104, 0.4453,
0.4837

■ 66.1362, 0.4464,
0.4838

■ 68.2993, 0.4396,
0.4820

■ 70.2158, 0.4310,
0.4759

■ 72.2840, 0.4197,
0.4652

■ 74.5193, 0.4060,
0.4504

■ 76.9350, 0.3906,
0.4322

■ 79.5426, 0.3741,
0.4117

■ 82.3527, 0.3572,
0.3899

■ 85.3747, 0.3406,
0.3676

■ 88.6177, 0.3246,
0.3456

Harmonies

Analogous

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



66.5104, 0.5060, 0.4130



66.5104, 0.4453, 0.4837



66.5104, 0.3562, 0.5255

Triad

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



66.5104, 0.4453, 0.4837



66.5104, 0.1476, 0.2654



66.5104, 0.3404, 0.2213

Complementary

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



66.5104, 0.4453, 0.4837



8.0347, 0.1536, 0.0715

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.



66.5104, 0.2416, 0.1875



66.5104, 0.4453, 0.4837



66.5104, 0.1458, 0.2025

Square

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



66.5104, 0.4453, 0.4837



66.5104, 0.1855, 0.3740



66.5104, 0.1763, 0.1798



66.5104, 0.4472, 0.2758

Rectangle

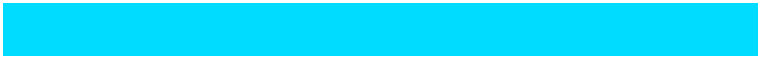
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.5104, 0.4453, 0.4837



66.5104, 0.2920, 0.5112



66.5104, 0.1763, 0.1798



66.5104, 0.3046, 0.2074

Sweetspot

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



66.5136, 0.4453, 0.4837



89.7925, 0.3593, 0.3926



19.6913, 0.6176, 0.3190



18.9344, 0.3665, 0.4020



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.



66.5136, 0.4453, 0.4837



72.3871, 0.4464, 0.4837



72.9097, 0.3590, 0.5522



18.9016, 0.3272, 0.3492



35.7793, 0.4459, 0.4842



3.2497, 0.4420, 0.4872

Inverse Universe

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



8.0347, 0.1536, 0.0715



8.4287, 0.1525, 0.0689



8.8430, 0.1775, 0.0759



16.2946, 0.2979, 0.3079



4.2742, 0.1530, 0.0708



0.4875, 0.1580, 0.0887

Previews

White Background



This preview shows how the Yxy color 66.5104, 0.4453, 0.4837 looks on a white background.

Color Contrast Check

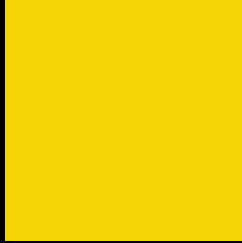
Large Text (above 18pt) WCAG AA × Fail

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 66.5104, 0.4453, 0.4837 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 66.5104, 0.4453, 0.4837

Background



This preview shows how black text looks on a background with the Yxy color 66.5104, 0.4453, 0.4837.



This preview shows how white text looks on a background with the Yxy color 66.5104, 0.4453, 0.4837.

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

66.5104, 0.4453, 0.4837

Protanopia

66.6359, 0.4395, 0.4879

Deuteranopia

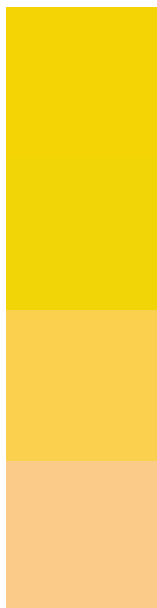
66.3031, 0.4152, 0.4139



Tritanopia

66.4016, 0.3475, 0.3148

Trichromacy



Original Color

66.5104, 0.4453, 0.4837

Protanomaly

66.4811, 0.4420, 0.4860

Deuteranomaly

66.1855, 0.4344, 0.4510

Tritanomaly

65.0272, 0.4017, 0.3979

Monochromacy



Original Color

66.5104, 0.4453, 0.4837

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

58.7175, 0.3780, 0.4166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5104, 0.4453, 0.4837 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, 212, 5)` looks like.

```
.text, #text, p{  
    color:rgb(245, 212, 5)  
}
```

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, 212, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 212, 5) }
```

Border

The CSS property to change the border of an element to Yxy 66.5104, 0.4453, 0.4837 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, 212, 5) }
```

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

```
.border{ border-color:rgb(245, 212, 5) }
```

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

Here you see how a box with a 4 pixel rgb(245, 212, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 212, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 212, 5);  
box-shadow:4px 4px 4px 4px rgb(245, 212,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5104, 0.4453, 0.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 212, 5) }
```

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

```
.background{ background-color: rgb(245,  
212, 5) }
```

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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