

Converting Colors

Yxy(67.2111, 0.4455, 0.4843)

Have a look what the booklet for
Yxy(67.2111, 0.4455, 0.4843)
contains.

Yxy(67.1835, 0.4455, 0.4843)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.1835, 0.4455, 0.4843)

Conversions

Conversions Part 1

Format	Color
Hex	F6D501
RGB	246, 213, 1
RGB Percent	96%, 84%, 0%
CMY	0.0354, 0.1647, 0.9961
CMYK	0.00, 0.13, 1.00, 0.04
HSL	52°, 99%, 48%
HSV	52°, 100%, 96%
XYZ	61.8011, 67.1835, 9.7383
YIQ	198.6990, 87.7200, -58.9360

Conversions

Conversions Part 2

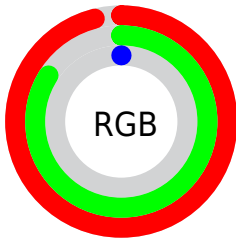
Format	Color
R _Y B	39, 246, 1
Decimal	16176385
CIE Lab	85.60, -4.75, 85.73
CIE LCh	86, 85.856, 93.171
Yxy	67.1835, 0.4455, 0.4843
Android (android.graphics.Color)	4294366465 (0xFFFF6D501)
YUV	198.6990, -97.4656, 41.4830
Hunter-Lab	81.9655, -8.8528, 50.3316

Details

The Yxy color **67.1835, 0.4455, 0.4843** 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 **7.8013, 0.1526, 0.0692**, and the grayscale version is **57.4877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **35.1106, 0.4464, 0.4837** is the 20% darker color. If you saturate the color by 10%, you get **67.1170, 0.4457, 0.4843**, and if you desaturate by 10%, it is **68.9399, 0.4402, 0.4831**.

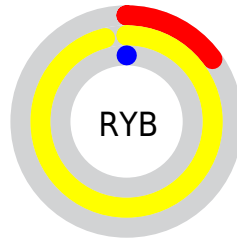
Distribution



Red (96%)

Green (84%)

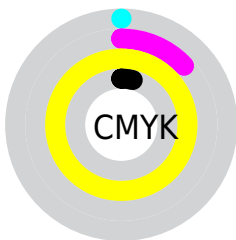
Blue (0%)



Red (15%)

Yellow (96%)

Blue (0%)

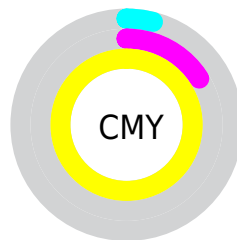


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1835, 0.4455, 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 67.1835, 0.4455, 0.4843 by changing the saturation by 10% instead.


 67.1835, 0.4455,
0.4843

 67.1835, 0.4455,
0.4843


450.5977, 0.3931,
0.4208

 49.2338, 0.4536,
0.4949


 115.1833, 0.4302,
0.4652


 34.8050, 0.4615,
0.5057


 146.0022, 0.4234,
0.4568

 23.5127, 0.4683,
0.5162


 181.8795, 0.4171,
0.4493

 14.9725, 0.4738,
0.5262

 223.1998, 0.4114,
0.4424

 8.8001, 0.4711,
0.5289

 270.3473, 0.4062,
0.4362

 4.6110, 0.4672,
0.5328


 323.7066, 0.4014,

 2.0209, 0.4608,


0.4306


0.5392


383.6619, 0.3971,
0.4255


 0.6196, 0.4329,
0.5671


 0.0000, 0.0000,
0.0000


 67.1835, 0.4455,
0.4843


 67.1835, 0.4455,
0.4843

 67.1170, 0.4457,
0.4843

 68.9399, 0.4402,
0.4831

 70.8158, 0.4323,
0.4778

 72.8401, 0.4216,
0.4678

 75.0289, 0.4083,
0.4536

■ 77.3960, 0.3932,
0.4360

■ 79.9532, 0.3769,
0.4157

■ 82.7114, 0.3602,
0.3940

■ 85.6802, 0.3435,
0.3717

■ 88.8689, 0.3274,
0.3495

Harmonies

Analogous

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



67.1835, 0.5066, 0.4133



67.1835, 0.4455, 0.4843



67.1835, 0.3560, 0.5264

Triad

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



67.1835, 0.4455, 0.4843



67.1835, 0.1470, 0.2648



67.1835, 0.3407, 0.2210

Complementary

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



67.1835, 0.4455, 0.4843



7.8013, 0.1526, 0.0692

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.



67.1835, 0.2414, 0.1871



67.1835, 0.4455, 0.4843



67.1835, 0.1453, 0.2019

Square

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



67.1835, 0.4455, 0.4843



67.1835, 0.1849, 0.3739



67.1835, 0.1760, 0.1792



67.1835, 0.4480, 0.2757

Rectangle

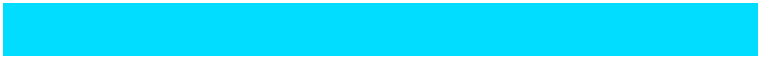
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.1835, 0.4455, 0.4843



67.1835, 0.2916, 0.5120



67.1835, 0.1760, 0.1792



67.1835, 0.3047, 0.2070

Sweetspot

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



67.1867, 0.4455, 0.4843



89.6210, 0.3609, 0.3950



19.7495, 0.6216, 0.3200



18.9070, 0.3681, 0.4043



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.



67.1867, 0.4455, 0.4843



72.8059, 0.4457, 0.4843



73.4006, 0.3582, 0.5536



18.9109, 0.3272, 0.3493



35.9822, 0.4452, 0.4847



3.2656, 0.4415, 0.4877

Inverse Universe

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



7.8013, 0.1526, 0.0692



8.3822, 0.1524, 0.0686



8.6882, 0.1756, 0.0743



16.2862, 0.2979, 0.3079



4.2490, 0.1529, 0.0704



0.4835, 0.1578, 0.0881

Previews

White Background



This preview shows how the Yxy color 67.1835, 0.4455, 0.4843 looks on a white background.

Color Contrast Check

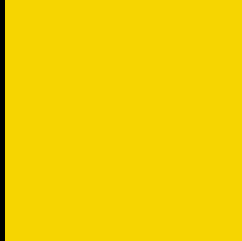
Large Text (above 18pt) WCAG AA × Fail

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 67.1835, 0.4455, 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 67.1835, 0.4455, 0.4843

Background



This preview shows how black text looks on a background with the Yxy color 67.1835, 0.4455, 0.4843.



This preview shows how white text looks on a background with the Yxy color 67.1835, 0.4455, 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

67.1835, 0.4455, 0.4843

Protanopia

67.4913, 0.4403, 0.4875

Deuteranopia

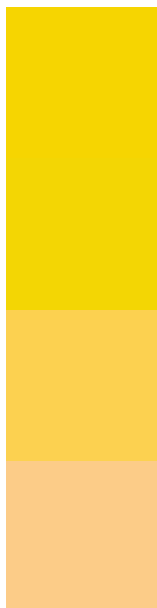
66.8833, 0.4119, 0.4111



Tritanopia

66.9109, 0.3466, 0.3148

Trichromacy



Original Color

67.1835, 0.4455, 0.4843

Protanomaly

67.1566, 0.4421, 0.4865

Deuteranomaly

66.8756, 0.4340, 0.4507

Tritanomaly

65.6588, 0.4028, 0.3996

Monochromacy



Original Color

67.1835, 0.4455, 0.4843

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

59.3170, 0.3791, 0.4184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1835, 0.4455, 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(246, 213, 1)` looks like.

```
.text, #text, p{  
    color:rgb(246, 213, 1)  
}
```

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(246, 213, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 213, 1) }
```

Border

The CSS property to change the border of an element to Yxy 67.1835, 0.4455, 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(246, 213, 1) }
```

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

```
.border{ border-color:rgb(246, 213, 1) }
```

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

Here you see how a box with a 4 pixel rgb(246, 213, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 213, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 213, 1);  
box-shadow:4px 4px 4px 4px rgb(246, 213,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1835, 0.4455, 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(246, 213, 1) }
```

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

```
.background{ background-color: rgb(246,  
213, 1) }
```

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