

Converting Colors

Yxy(67.9871, 0.4539, 0.4772)

Have a look what the booklet for
Yxy(67.9871, 0.4539, 0.4772)
contains.

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Color

Yxy(67.8573, 0.4539, 0.4771)

Conversions

Conversions Part 1

Format	Color
Hex	FFD304
RGB	255, 211, 4
RGB Percent	100%, 83%, 2%
CMY	0.0000, 0.1725, 0.9837
CMYK	0.00, 0.17, 0.98, 0.00
HSL	49°, 100%, 51%
HSV	49°, 98%, 100%
XYZ	64.5576, 67.8573, 9.8138
YIQ	200.5580, 92.6710, -55.0490

Conversions

Conversions Part 2

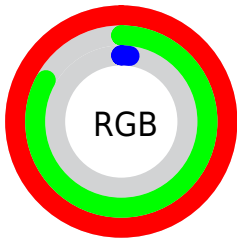
Format	Color
R_{YB}	57, 255, 4
Decimal	16765700
CIE Lab	85.94, 0.14, 86.08
CIE LCh	86, 86.078, 89.907
Yxy	67.8573, 0.4539, 0.4771
Android (android.graphics.Color)	4294955780 (0xFFFFD304)
YUV	200.5580, -96.9031, 47.7456
Hunter-Lab	82.3755, -4.2670, 50.5994

Details

The Yxy color **67.8573, 0.4539, 0.4771** 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 **9.3730, 0.1546, 0.0756**, and the grayscale version is **58.7017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **35.4514, 0.4567, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **67.4898, 0.4549, 0.4770**, and if you desaturate by 10%, it is **70.1964, 0.4471, 0.4763**.

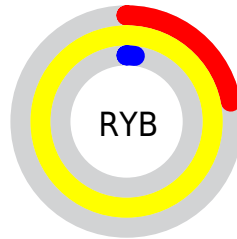
Distribution



Red (100%)

Green (83%)

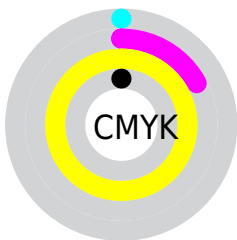
Blue (2%)



Red (22%)

Yellow (100%)

Blue (2%)

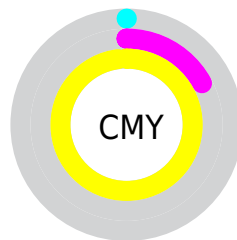


Cyan (0%)

Magenta (17%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (17%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8573, 0.4539, 0.4771 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 67.8573, 0.4539, 0.4771 by changing the saturation by 10% instead.


 67.8573, 0.4539,
0.4771


 67.8573, 0.4539,
0.4771


452.9903, 0.3976,
0.4181


 49.7817, 0.4629,
0.4865

 116.1480, 0.4372,
0.4597


 35.2399, 0.4719,
0.4959


 147.1318, 0.4299,
0.4519


 23.8478, 0.4802,
0.5045


 183.1871, 0.4231,
0.4449

 15.2207, 0.4877,
0.5123

 224.6984, 0.4170,
0.4385

 8.9744, 0.4878,
0.5122

 272.0499, 0.4115,
0.4326

 4.7245, 0.4879,
0.5121

 325.6261, 0.4064,

 2.0865, 0.4881,

0.4273

0.5119

385.8114, 0.4018,
0.4225

■ 0.6570, 0.4887,
0.5113

■ 0.0000, 0.0000,
0.0000

■ 67.8573, 0.4539,
0.4771

■ 67.8573, 0.4539,
0.4771


■ 67.4898, 0.4549,
0.4770

■ 70.1964, 0.4471,
0.4763


■ 72.6974, 0.4375,
0.4711


■ 75.3875, 0.4250,
0.4612

■ 78.2842, 0.4102,
0.4470

 81.4024, 0.3938,
0.4295

 84.7552, 0.3764,
0.4098

 88.3546, 0.3590,
0.3887

 92.2113, 0.3419,
0.3672

 96.3354, 0.3256,
0.3461

Harmonies

Analogous

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



67.8573, 0.5103, 0.4053



67.8573, 0.4539, 0.4771



67.8573, 0.3664, 0.5247

Triad

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



67.8573, 0.4539, 0.4771



67.8573, 0.1494, 0.2747



67.8573, 0.3288, 0.2162

Complementary

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



67.8573, 0.4539, 0.4771



9.3730, 0.1546, 0.0756

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.



67.8573, 0.2326, 0.1850



67.8573, 0.4539, 0.4771



67.8573, 0.1440, 0.2066

Square

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



67.8573, 0.4539, 0.4771



67.8573, 0.1915, 0.3875



67.8573, 0.1711, 0.1802



67.8573, 0.4374, 0.2690

Rectangle

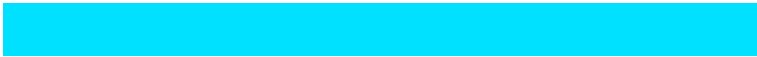
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.8573, 0.4539, 0.4771



67.8573, 0.3021, 0.5173



67.8573, 0.1711, 0.1802



67.8573, 0.2935, 0.2031

Sweetspot

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



67.8602, 0.4539, 0.4771



87.7507, 0.3618, 0.3922



21.5817, 0.6117, 0.3153



18.4546, 0.3692, 0.4011



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.



67.8602, 0.4539, 0.4771



67.4898, 0.4549, 0.4770



80.7087, 0.3641, 0.5484



20.5167, 0.3274, 0.3485



35.4628, 0.4542, 0.4776



3.5887, 0.4495, 0.4813

Inverse Universe

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



9.3730, 0.1546, 0.0756



9.0758, 0.1538, 0.0735



9.1761, 0.1722, 0.0728



17.8926, 0.2979, 0.3088



4.8907, 0.1543, 0.0756



0.6108, 0.1593, 0.0936

Previews

White Background



This preview shows how the Yxy color 67.8573, 0.4539, 0.4771 looks on a white background.

Color Contrast Check

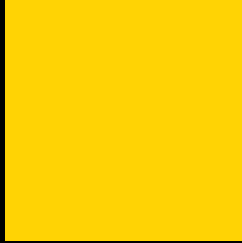
Large Text (above 18pt) WCAG AA × Fail

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 67.8573, 0.4539, 0.4771 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 67.8573, 0.4539, 0.4771

Background



This preview shows how black text looks on a background with the Yxy color 67.8573, 0.4539, 0.4771.



This preview shows how white text looks on a background with the Yxy color 67.8573, 0.4539, 0.4771.

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

67.8573, 0.4539, 0.4771

Protanopia

68.1883, 0.4399, 0.4872

Deuteranopia

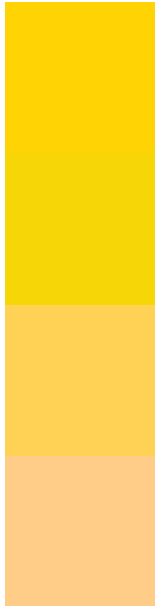
67.9835, 0.4074, 0.4084



Tritanopia

67.7868, 0.3470, 0.3178

Trichromacy



Original Color

67.8573, 0.4539, 0.4771

Protanomaly

67.8848, 0.4449, 0.4836

Deuteranomaly

67.5010, 0.4344, 0.4467

Tritanomaly

66.7002, 0.4047, 0.3998

Monochromacy



Original Color

67.8573, 0.4539, 0.4771

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.6198, 0.3815, 0.4159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8573, 0.4539, 0.4771 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(255, 211, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 4)  
}
```

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(255, 211, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 4) }
```

Border

The CSS property to change the border of an element to Yxy 67.8573, 0.4539, 0.4771 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(255, 211, 4) }
```

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

```
.border{ border-color:rgb(255, 211, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 4);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8573, 0.4539, 0.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 4) }
```

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

```
.background{ background-color: rgb(255,  
211, 4) }
```

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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