

Converting Colors

$Yxy(68.4289, 0.4524, 0.4772)$

Have a look what the booklet for
Yxy(68.4289, 0.4524, 0.4772)
contains.

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Color

Yxy(68.3711, 0.4525, 0.4771)

Conversions

Conversions Part 1

Format	Color
Hex	FFD40B
RGB	255, 212, 11
RGB Percent	100%, 83%, 4%
CMY	0.0000, 0.1686, 0.9577
CMYK	0.00, 0.17, 0.96, 0.00
HSL	49°, 100%, 52%
HSV	49°, 96%, 100%
XYZ	64.8458, 68.3711, 10.0887
YIQ	201.9430, 90.1490, -53.3950

Conversions

Conversions Part 2

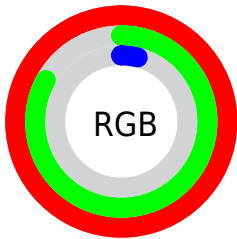
Format	Color
R _Y B	63, 255, 11
Decimal	16765963
CIE Lab	86.19, -0.31, 85.69
CIE LCh	86, 85.692, 90.210
Yxy	68.3711, 0.4525, 0.4771
Android (android.graphics.Color)	4294956043 (0xFFFFD40B)
YUV	201.9430, -94.1349, 46.5310
Hunter-Lab	82.6868, -4.7162, 50.6467

Details

The Yxy color **68.3711, 0.4525, 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 **9.9083, 0.1561, 0.0793**, and the grayscale version is **59.5679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **35.7912, 0.4556, 0.4765** is the 20% darker color. If you saturate the color by 10%, you get **67.4045, 0.4550, 0.4769**, and if you desaturate by 10%, it is **70.7541, 0.4450, 0.4753**.

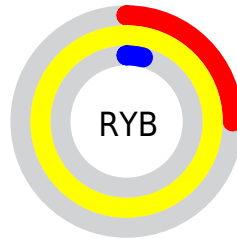
Distribution



Red (100%)

Green (83%)

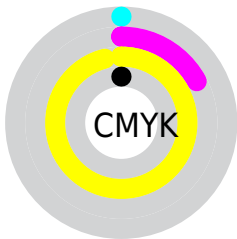
Blue (4%)



Red (25%)

Yellow (100%)

Blue (4%)

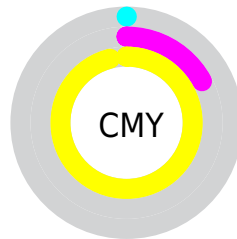


Cyan (0%)

Magenta (17%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3711, 0.4525, 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 68.3711, 0.4525, 0.4771 by changing the saturation by 10% instead.


 68.3711, 0.4525,
0.4771


 68.3711, 0.4525,
0.4771


454.8097, 0.3967,
0.4179


 50.1997, 0.4615,
0.4867


 116.8829, 0.4360,
0.4595


 35.5721, 0.4704,
0.4962


 147.9920, 0.4287,
0.4518

 24.1039, 0.4786,
0.5050


 184.1826, 0.4220,
0.4447

 15.4107, 0.4864,
0.5136

 225.8389, 0.4160,
0.4383

 9.1081, 0.4863,
0.5137

 273.3454, 0.4105,
0.4324

 4.8118, 0.4860,
0.5140

 327.0864, 0.4055,

 2.1373, 0.4856,

0.4271

0.5144

387.4464, 0.4009,
0.4223

■ 0.6855, 0.4843,
0.5157

■ 0.0000, 0.0000,
0.0000

■ 68.3711, 0.4525,
0.4771

■ 68.3711, 0.4525,
0.4771


■ 67.4045, 0.4550,
0.4769


■ 70.7541, 0.4450,
0.4753

■ 73.3094, 0.4346,
0.4688


■ 76.0592, 0.4214,
0.4578


■ 79.0201, 0.4061,
0.4427

 82.2066, 0.3894,
0.4245

 85.6315, 0.3719,
0.4043

 89.3062, 0.3545,
0.3831

 93.2416, 0.3375,
0.3616

 97.4473, 0.3215,
0.3407

Harmonies

Analogous

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



68.3711, 0.5088, 0.4059



68.3711, 0.4525, 0.4771



68.3711, 0.3654, 0.5236

Triad

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



68.3711, 0.4525, 0.4771



68.3711, 0.1500, 0.2742



68.3711, 0.3298, 0.2173

Complementary

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



68.3711, 0.4525, 0.4771



9.9083, 0.1561, 0.0793

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.



68.3711, 0.2339, 0.1860



68.3711, 0.4525, 0.4771



68.3711, 0.1450, 0.2070

Square

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



68.3711, 0.4525, 0.4771



68.3711, 0.1917, 0.3859



68.3711, 0.1723, 0.1809



68.3711, 0.4375, 0.2700

Rectangle

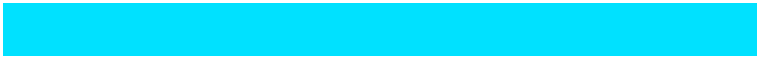
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.3711, 0.4525, 0.4771



68.3711, 0.3013, 0.5153



68.3711, 0.1723, 0.1809



68.3711, 0.2947, 0.2041

Sweetspot

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



68.3725, 0.4525, 0.4771



88.0907, 0.3601, 0.3900



21.7758, 0.6051, 0.3133



18.5204, 0.3675, 0.3990



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.



68.3725, 0.4525, 0.4771



67.4045, 0.4550, 0.4769



80.9693, 0.3652, 0.5465



20.5145, 0.3274, 0.3484



35.4188, 0.4543, 0.4775



3.5848, 0.4496, 0.4812

Inverse Universe

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



9.9083, 0.1561, 0.0793



9.0889, 0.1538, 0.0736



9.5353, 0.1748, 0.0751



17.8947, 0.2979, 0.3088



4.8980, 0.1544, 0.0757



0.6118, 0.1594, 0.0937

Previews

White Background



This preview shows how the Yxy color 68.3711, 0.4525, 0.4771 looks on a white background.

Color Contrast Check

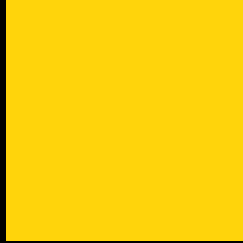
Large Text (above 18pt) WCAG AA × Fail

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 68.3711, 0.4525, 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 68.3711, 0.4525, 0.4771

Background



This preview shows how black text looks on a background with the Yxy color 68.3711, 0.4525, 0.4771.



This preview shows how white text looks on a background with the Yxy color 68.3711, 0.4525, 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

68.3711, 0.4525, 0.4771

Protanopia

68.1981, 0.4396, 0.4867

Deuteranopia

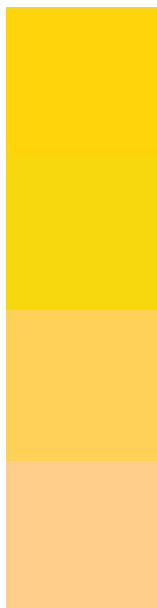
68.0652, 0.4053, 0.4055



Tritanopia

68.3052, 0.3461, 0.3179

Trichromacy



Original Color

68.3711, 0.4525, 0.4771

Protanomaly

68.4041, 0.4436, 0.4837

Deuteranomaly

67.5822, 0.4319, 0.4433

Tritanomaly

67.2667, 0.4020, 0.3979

Monochromacy



Original Color

68.3711, 0.4525, 0.4771

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

61.1807, 0.3790, 0.4136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3711, 0.4525, 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, 212, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 11)  
}
```

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, 212, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 11) }
```

Border

The CSS property to change the border of an element to Yxy 68.3711, 0.4525, 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, 212, 11) }
```

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

```
.border{ border-color:rgb(255, 212, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3711, 0.4525, 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, 212, 11) }
```

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

```
.background{ background-color: rgb(255,  
212, 11) }
```

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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