

Converting Colors

$Y_{xy}(65.9420, 0.4550, 0.4707)$

Have a look what the booklet for
Yxy(65.9420, 0.4550, 0.4707)
contains.

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Color

Yxy(65.9648, 0.4550, 0.4708)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF1B
RGB	255, 207, 27
RGB Percent	100%, 81%, 11%
CMY	0.0000, 0.1882, 0.8949
CMYK	0.00, 0.19, 0.89, 0.00
HSL	47°, 100%, 55%
HSV	47°, 89%, 100%
XYZ	63.7510, 65.9648, 10.3963
YIQ	200.8320, 86.3880, -45.8040

Conversions

Conversions Part 2

Format	Color
R _Y B	88, 255, 27
Decimal	16764699
CIE Lab	84.98, 2.42, 82.69
CIE LCh	85, 82.724, 88.321
Yxy	65.9648, 0.4550, 0.4708
Android (android.graphics.Color)	4294954779 (0xFFFFCF1B)
YUV	200.8320, -85.6992, 47.5053
Hunter-Lab	81.2187, -2.0227, 49.2637

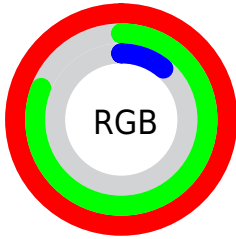
Details

The Yxy color **65.9648, 0.4550, 0.4708** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **12.4541, 0.1623, 0.0963**, and the grayscale version is **58.7873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **34.1199, 0.4615, 0.4717** is the 20% darker color. If you saturate the color by 10%, you get **63.3364, 0.4627, 0.4706**, and if you desaturate by 10%, it is **68.7821, 0.4444, 0.4667**.

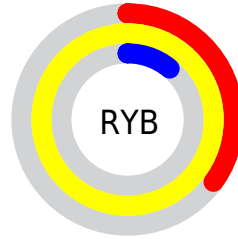
Distribution



Red (100%)

Green (81%)

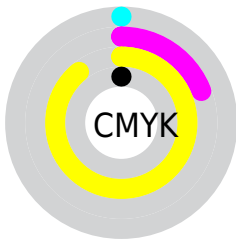
Blue (11%)



Red (35%)

Yellow (100%)

Blue (11%)

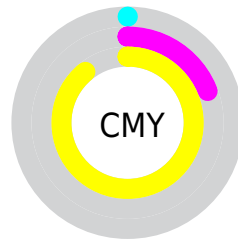


Cyan (0%)

Magenta (19%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9648, 0.4550, 0.4708 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 65.9648, 0.4550, 0.4708 by changing the saturation by 10% instead.


 65.9648, 0.4550,
0.4708


 65.9648, 0.4550,
0.4708


446.2510, 0.3969,
0.4139


 48.2438, 0.4647,
0.4800


 113.4358, 0.4374,
0.4539


 34.0200, 0.4747,
0.4892


 143.9546, 0.4298,
0.4464

 22.9090, 0.4842,
0.4975


 179.5082, 0.4229,
0.4396

 14.5263, 0.4942,
0.5058

 220.4809, 0.4166,
0.4335

 8.4876, 0.4955,
0.5045

 267.2571, 0.4109,
0.4279

 4.4085, 0.4975,
0.5025

 320.2213, 0.4058,

 1.9046, 0.5008,

0.4228

0.4992

379.7578, 0.4011,
0.4181

■ 0.5511, 0.5141,
0.4859

■ 0.0000, 0.0000,
0.0000

■ 65.9648, 0.4550,
0.4708

■ 65.9648, 0.4550,
0.4708

■ 63.3364, 0.4627,
0.4706

■ 68.7821, 0.4444,
0.4667

■ 63.2060, 0.4631,
0.4705

■ 71.8109, 0.4309,
0.4577

■ 75.0712, 0.4152,
0.4445

■ 78.5785, 0.3978,
0.4279

■ 82.3466, 0.3797,
0.4089

■ 86.3876, 0.3616,
0.3887

■ 90.7130, 0.3440,
0.3680

■ 95.3332, 0.3274,
0.3476

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



65.9648, 0.5069, 0.4009



65.9648, 0.4550, 0.4708



65.9648, 0.3709, 0.5181

Triad

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



65.9648, 0.4550, 0.4708



65.9648, 0.1545, 0.2815



65.9648, 0.3230, 0.2167

Complementary

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



65.9648, 0.4550, 0.4708



12.4541, 0.1623, 0.0963

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.



65.9648, 0.2307, 0.1873



65.9648, 0.4550, 0.4708



65.9648, 0.1472, 0.2124

Square

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



65.9648, 0.4550, 0.4708



65.9648, 0.1982, 0.3923



65.9648, 0.1722, 0.1842



65.9648, 0.4286, 0.2676

Rectangle

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



65.9648, 0.4550, 0.4708



65.9648, 0.3081, 0.5131



65.9648, 0.1722, 0.1842



65.9648, 0.2891, 0.2042

Sweetspot

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



65.9666, 0.4550, 0.4708



87.4383, 0.3572, 0.3835



22.5597, 0.5766, 0.3029



18.4082, 0.3633, 0.3906



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.



65.9666, 0.4550, 0.4708



63.2060, 0.4631, 0.4705



82.5895, 0.3724, 0.5369



20.4039, 0.3274, 0.3476



33.2508, 0.4622, 0.4712



3.3922, 0.4564, 0.4758

Inverse Universe

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



12.4541, 0.1623, 0.0963



9.8240, 0.1552, 0.0788



10.2419, 0.1775, 0.0798



17.9967, 0.2979, 0.3096



5.3052, 0.1559, 0.0811



0.6657, 0.1613, 0.1006

Previews

White Background



This preview shows how the Yxy color 65.9648, 0.4550, 0.4708 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 65.9648, 0.4550, 0.4708 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 65.9648, 0.4550, 0.4708

Background



This preview shows how black text looks on a background with the Yxy color 65.9648, 0.4550, 0.4708.



This preview shows how white text looks on a background with the Yxy color 65.9648, 0.4550, 0.4708.

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

65.9648, 0.4550, 0.4708

Protanopia

66.0279, 0.4370, 0.4841

Deuteranopia

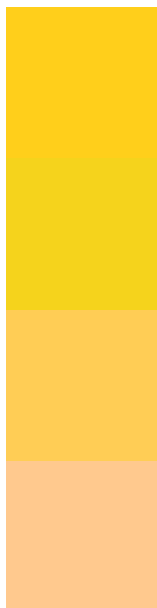
65.7537, 0.4178, 0.4156



Tritanopia

65.7466, 0.3509, 0.3178

Trichromacy



Original Color

65.9648, 0.4550, 0.4708

Protanomaly

66.0848, 0.4436, 0.4793

Deuteranomaly

65.5785, 0.4368, 0.4427

Tritanomaly

64.9863, 0.4022, 0.3901

Monochromacy



Original Color

65.9648, 0.4550, 0.4708

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

59.9190, 0.3759, 0.4039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9648, 0.4550, 0.4708 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, 207, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 27)  
}
```

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, 207, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 27) }
```

Border

The CSS property to change the border of an element to Yxy 65.9648, 0.4550, 0.4708 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, 207, 27) }
```

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

```
.border{ border-color:rgb(255, 207, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9648, 0.4550, 0.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 27) }
```

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

```
.background{ background-color: rgb(255,  
207, 27) }
```

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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