

Converting Colors

Yxy(66.4514, 0.4568, 0.4755)

Have a look what the booklet for
Yxy(66.4514, 0.4568, 0.4755)
contains.

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Color

Yxy(66.3718, 0.4569, 0.4754)

Conversions

Conversions Part 1

Format	Color
Hex	FFD000
RGB	255, 208, 0
RGB Percent	100%, 82%, 0%
CMY	0.0001, 0.1842, 0.9995
CMYK	0.00, 0.18, 1.00, 0.00
HSL	49°, 100%, 50%
HSV	49°, 100%, 100%
XYZ	63.7890, 66.3718, 9.4518
YIQ	198.3410, 94.7800, -54.7240

Conversions

Conversions Part 2

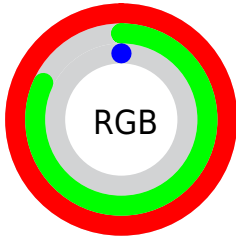
Format	Color
R _Y B	58, 255, 0
Decimal	16764928
CIE Lab	85.19, 1.62, 85.90
CIE LCh	85, 85.918, 88.921
Yxy	66.3718, 0.4569, 0.4754
Android (android.graphics.Color)	4294955008 (0xFFFFD000)
YUV	198.3410, -97.7821, 49.6899
Hunter-Lab	81.4689, -2.8076, 50.1496

Details

The Yxy color **66.3718, 0.4569, 0.4754** 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 **9.2582, 0.1541, 0.0748**, and the grayscale version is **57.2639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **34.4487, 0.4603, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **66.3638, 0.4569, 0.4754**, and if you desaturate by 10%, it is **68.7728, 0.4501, 0.4753**.

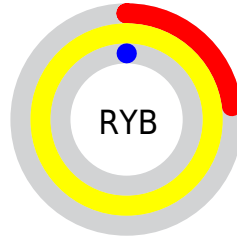
Distribution



Red (100%)

Green (82%)

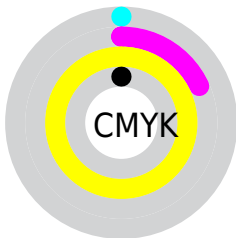
Blue (0%)



Red (23%)

Yellow (100%)

Blue (0%)

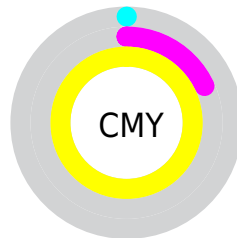


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3718, 0.4569, 0.4754 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 66.3718, 0.4569, 0.4754 by changing the saturation by 10% instead.


 66.3718, 0.4569,
0.4754


 66.3718, 0.4569,
0.4754


447.7054, 0.3990,
0.4173


 48.5743, 0.4662,
0.4845


 114.0198, 0.4397,
0.4584


 34.2819, 0.4756,
0.4935


 144.6391, 0.4321,
0.4508

 23.1102, 0.4844,
0.5016

 180.3011, 0.4252,
0.4438

 14.6749, 0.4919,
0.5081

 221.3901, 0.4189,
0.4375

 8.5916, 0.4928,
0.5072

 268.2907, 0.4132,
0.4317

 4.4757, 0.4941,
0.5059

 321.3872, 0.4080,

 1.9431, 0.4963,

0.4265

0.5037

381.0640, 0.4033,
0.4217

■ 0.5741, 0.5048,
0.4952

■ 0.0000, 0.0000,
0.0000

■ 66.3718, 0.4569,
0.4754

■ 66.3718, 0.4569,
0.4754


■ 66.3638, 0.4569,
0.4754

■ 68.7728, 0.4501,
0.4753


■ 71.3334, 0.4407,
0.4709

■ 74.0863, 0.4283,
0.4618

■ 77.0495, 0.4135,
0.4484

 80.2384, 0.3970,
0.4315

 83.6664, 0.3796,
0.4122

 87.3456, 0.3619,
0.3914

 91.2871, 0.3446,
0.3702

 95.5012, 0.3281,
0.3492

Harmonies

Analogous

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



66.3718, 0.5122, 0.4030



66.3718, 0.4569, 0.4754



66.3718, 0.3696, 0.5251

Triad

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



66.3718, 0.4569, 0.4754



66.3718, 0.1494, 0.2774



66.3718, 0.3252, 0.2143

Complementary

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



66.3718, 0.4569, 0.4754



9.2582, 0.1541, 0.0748

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.



66.3718, 0.2296, 0.1838



66.3718, 0.4569, 0.4754



66.3718, 0.1430, 0.2075

Square

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



66.3718, 0.4569, 0.4754



66.3718, 0.1929, 0.3920



66.3718, 0.1691, 0.1799



66.3718, 0.4347, 0.2667

Rectangle

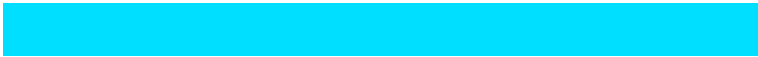
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.3718, 0.4569, 0.4754



66.3718, 0.3050, 0.5198



66.3718, 0.1691, 0.1799



66.3718, 0.2900, 0.2014

Sweetspot

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



66.3751, 0.4569, 0.4754



87.3489, 0.3620, 0.3915



21.4972, 0.6114, 0.3142



18.3576, 0.3694, 0.4004



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.



66.3751, 0.4569, 0.4754



66.3801, 0.4569, 0.4754



81.0288, 0.3663, 0.5473



20.4880, 0.3274, 0.3482



34.8901, 0.4562, 0.4760



3.5380, 0.4512, 0.4799

Inverse Universe

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



9.2582, 0.1541, 0.0748



9.2517, 0.1541, 0.0748



8.7811, 0.1686, 0.0702



17.9190, 0.2979, 0.3090



4.9887, 0.1547, 0.0769



0.6241, 0.1598, 0.0953

Previews

White Background



This preview shows how the Yxy color 66.3718, 0.4569, 0.4754 looks on a white background.

Color Contrast Check

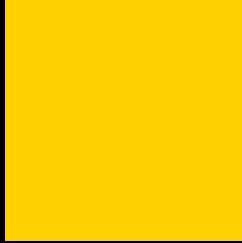
Large Text (above 18pt) WCAG AA × Fail

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 66.3718, 0.4569, 0.4754 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 66.3718, 0.4569, 0.4754

Background



This preview shows how black text looks on a background with the Yxy color 66.3718, 0.4569, 0.4754.



This preview shows how white text looks on a background with the Yxy color 66.3718, 0.4569, 0.4754.

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

66.3718, 0.4569, 0.4754

Protanopia

66.6403, 0.4393, 0.4876

Deuteranopia

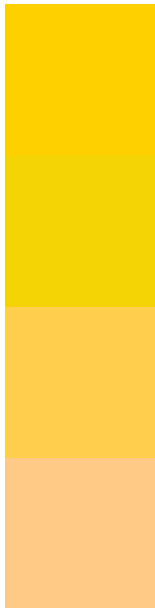
66.2787, 0.4159, 0.4148



Tritanopia

66.2516, 0.3499, 0.3178

Trichromacy



Original Color

66.3718, 0.4569, 0.4754

Protanomaly

66.5126, 0.4452, 0.4836

Deuteranomaly

65.9244, 0.4405, 0.4494

Tritanomaly

65.1945, 0.4084, 0.3998

Monochromacy



Original Color

66.3718, 0.4569, 0.4754

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

58.8075, 0.3833, 0.4166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3718, 0.4569, 0.4754 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, 208, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 0)  
}
```

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, 208, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.3718, 0.4569, 0.4754 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, 208, 0) }
```

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

```
.border{ border-color:rgb(255, 208, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 208, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3718, 0.4569, 0.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 0) }
```

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

```
.background{ background-color: rgb(255,  
208, 0) }
```

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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