

# Converting Colors

Yxy(67.2960, 0.4748, 0.4682)

Have a look what the booklet for  
Yxy(67.2960, 0.4748, 0.4682)  
contains.

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# **Color**

**Yxy(64.4457, 0.4606, 0.4725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCC00
RGB	255, 204, 0
RGB Percent	100%, 80%, 0%
CMY	0.0001, 0.1999, 1.0000
CMYK	0.00, 0.20, 1.00, 0.00
HSL	48°, 100%, 50%
HSV	48°, 100%, 100%
XYZ	62.8226, 64.4457, 9.1247
YIQ	195.9930, 95.8800, -52.6320

# Conversions

## Conversions Part 2

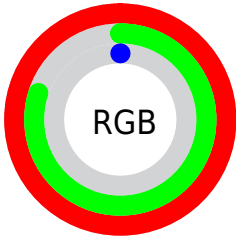
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 255, 0
Decimal	16763904
CIELab	84.20, 3.66, 85.23
CIELCh	84, 85.311, 87.544
Yxy	64.4457, 0.4606, 0.4725
Android (android.graphics.Color)	4294953984 (0xFFFFCC00)
YUV	195.9930, -96.6245, 51.7491
Hunter-Lab	80.2781, -0.7992, 49.4555

# Details

The Yxy color **64.4457, 0.4606, 0.4725** is a light color, and the websafe version is hex **FFCC00**, and the color name is **tangerine yellow**. The color can be described as light saturated yellow. A complement of this color would be **9.5802, 0.1548, 0.0771**, and the grayscale version is **55.7463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **33.1501, 0.4652, 0.4688** is the 20% darker color. If you saturate the color by 10%, you get **64.4491, 0.4606, 0.4725**, and if you desaturate by 10%, it is **66.9832, 0.4533, 0.4727**.

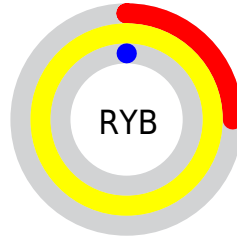
# Distribution



Red (100%)

Green (80%)

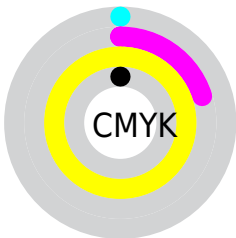
Blue (0%)



Red (25%)

Yellow (100%)

Blue (0%)

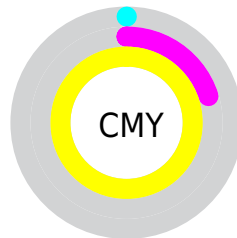


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4457, 0.4606, 0.4725 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 64.4457, 0.4606, 0.4725 by changing the saturation by 10% instead.




 64.4457, 0.4606,  
0.4725


 64.4457, 0.4606,  
0.4725


440.7974, 0.4006,  
0.4159

 47.0118, 0.4704,  
0.4812


 111.2526, 0.4427,  
0.4560

 33.0449, 0.4803,  
0.4896


 141.3943, 0.4348,  
0.4486


 22.1609, 0.4899,  
0.4972


 176.5407, 0.4276,  
0.4418

 13.9752, 0.4978,  
0.5022

 217.0763, 0.4211,  
0.4357

 8.1034, 0.4999,  
0.5001

 263.3853, 0.4152,  
0.4300

 4.1612, 0.5030,  
0.4970


 315.8522, 0.4099,

 1.7641, 0.5081,

0.4249

0.4919


374.8615, 0.4050,  
0.4202


 0.4647, 0.5333,  
0.4667


 0.0000, 0.0000,  
0.0000


 64.4457, 0.4606,  
0.4725

 64.4457, 0.4606,  
0.4725


 64.4491, 0.4606,  
0.4725

 66.9832, 0.4533,  
0.4727


 69.6915, 0.4433,  
0.4686

 72.6036, 0.4303,  
0.4597


 75.7378, 0.4150,  
0.4466

 79.1096, 0.3981,  
0.4299

 82.7326, 0.3802,  
0.4109

 86.6190, 0.3623,  
0.3904

 90.7802, 0.3448,  
0.3695

 95.2264, 0.3282,  
0.3489

# Harmonies

## Analogous

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



64.4457, 0.5140, 0.3997



64.4457, 0.4606, 0.4725



64.4457, 0.3740, 0.5245

# Triad

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



64.4457, 0.4606, 0.4725



64.4457, 0.1502, 0.2816



64.4457, 0.3202, 0.2122

# Complementary

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



64.4457, 0.4606, 0.4725



9.5802, 0.1548, 0.0771

# 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.



64.4457, 0.2258, 0.1827



64.4457, 0.4606, 0.4725



64.4457, 0.1422, 0.2094

# Square

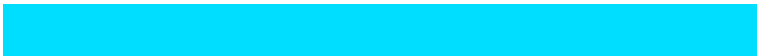
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.4457, 0.4606, 0.4725



64.4457, 0.1956, 0.3980



64.4457, 0.1669, 0.1801



64.4457, 0.4304, 0.2638



# Rectangle

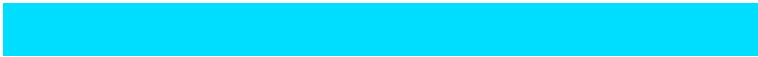
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.4457, 0.4606, 0.4725



64.4457, 0.3094, 0.5222



64.4457, 0.1669, 0.1801



64.4457, 0.2853, 0.1996

# Sweetspot

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



64.4491, 0.4606, 0.4725



86.6471, 0.3623, 0.3904



21.4920, 0.6115, 0.3143



18.1882, 0.3698, 0.3992



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.



64.4491, 0.4606, 0.4725



64.4699, 0.4606, 0.4725



81.0180, 0.3663, 0.5474



20.4378, 0.3274, 0.3479



33.9037, 0.4598, 0.4731



3.4504, 0.4543, 0.4775



# Inverse Universe

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



9.5802, 0.1548, 0.0771



9.5832, 0.1548, 0.0771



8.7743, 0.1685, 0.0702



17.9653, 0.2979, 0.3094



5.1724, 0.1554, 0.0793



0.6485, 0.1607, 0.0984



# Previews

## White Background



This preview shows how the Yxy color 64.4457, 0.4606, 0.4725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

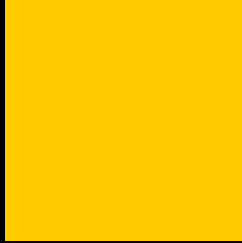
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4457, 0.4606, 0.4725 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 64.4457, 0.4606, 0.4725**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4457, 0.4606, 0.4725.



This preview shows how white text looks on a background with the Yxy color 64.4457, 0.4606, 0.4725.

# 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

64.4457, 0.4606, 0.4725

### Protanopia

64.6172, 0.4395, 0.4873

### Deuteranopia

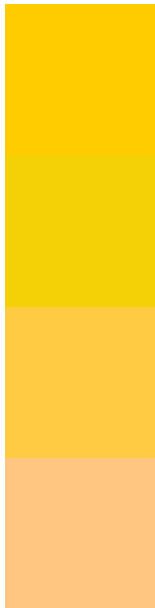
64.5417, 0.4269, 0.4241



## Tritanopia

64.2514, 0.3539, 0.3178

# Trichromacy



## Original Color

64.4457, 0.4606, 0.4725

## Protanomaly

64.3602, 0.4479, 0.4813

## Deuteranomaly

64.3771, 0.4468, 0.4522

## Tritanomaly

63.2599, 0.4128, 0.3989

# Monochromacy



## Original Color

64.4457, 0.4606, 0.4725

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

57.0792, 0.3837, 0.4152

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4457, 0.4606, 0.4725 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, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4457, 0.4606, 0.4725 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, 204, 0) }
```

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

```
.border{ border-color:rgb(255, 204, 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, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4457, 0.4606, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 0) }
```

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

```
.background{ background-color: rgb(255,  
204, 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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