

# Converting Colors

Yxy(63.7863, 0.4608, 0.4698)

Have a look what the booklet for  
Yxy(63.7863, 0.4608, 0.4698)  
contains.

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**Color**

**Yxy(64.0036, 0.4604, 0.4701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCB0E
RGB	255, 203, 14
RGB Percent	100%, 80%, 5%
CMY	0.0000, 0.2039, 0.9454
CMYK	0.00, 0.20, 0.95, 0.00
HSL	47°, 100%, 53%
HSV	47°, 95%, 100%
XYZ	62.6830, 64.0036, 9.4623
YIQ	197.0020, 91.6610, -47.7550

# Conversions

## Conversions Part 2

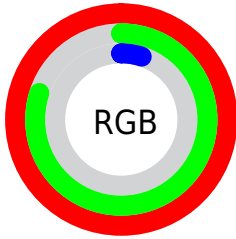
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	80, 255, 14
Decimal	16763662
CIE Lab	83.97, 4.32, 83.77
CIE LCh	84, 83.881, 87.046
Yxy	64.0036, 0.4604, 0.4701
Android (android.graphics.Color)	4294953742 (0xFFFFCB0E)
YUV	197.0020, -90.2200, 50.8642
Hunter-Lab	80.0022, -0.1465, 48.9890

# Details

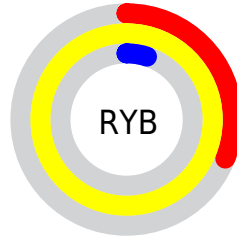
The Yxy color **64.0036, 0.4604, 0.4701** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **11.2012, 0.1587, 0.0881**, and the grayscale version is **56.3429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **32.8323, 0.4665, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **62.5644, 0.4644, 0.4695**, and if you desaturate by 10%, it is **66.7635, 0.4511, 0.4685**.

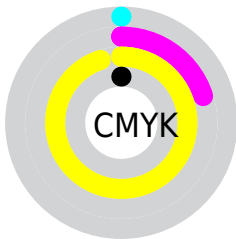
# Distribution



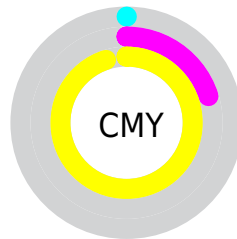
- Red (100%)
- Green (80%)
- Blue (5%)



- Red (31%)
- Yellow (100%)
- Blue (5%)



- Cyan (0%)
- Magenta (20%)
- Yellow (95%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0036, 0.4604, 0.4701 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 64.0036, 0.4604, 0.4701 by changing the saturation by 10% instead.





 64.0036, 0.4604,  
0.4701

 64.0036, 0.4604,  
0.4701


439.2026, 0.3999,  
0.4142

 46.6536, 0.4705,  
0.4788


 110.6161, 0.4422,  
0.4537


 32.7619, 0.4807,  
0.4872


 140.6474, 0.4342,  
0.4464


 21.9441, 0.4907,  
0.4947


 175.6746, 0.4270,  
0.4397

 13.8158, 0.4997,  
0.5003

 216.0821, 0.4205,  
0.4336

 7.9927, 0.5022,  
0.4978

 262.2542, 0.4146,  
0.4281

 4.0903, 0.5059,  
0.4941

 314.5754, 0.4092,

 1.7242, 0.5120,

0.4230

0.4880

373.4301, 0.4044,  
0.4184

■ 0.4392, 0.5435,  
0.4565

■ 0.0000, 0.0000,  
0.0000

■ 64.0036, 0.4604,  
0.4701

■ 64.0036, 0.4604,  
0.4701

■ 62.5644, 0.4644,  
0.4695

■ 66.7635, 0.4511,  
0.4685


■ 69.7325, 0.4389,  
0.4620

■ 72.9288, 0.4240,  
0.4509

■ 76.3691, 0.4071,  
0.4360

 80.0681, 0.3892,  
0.4182

 84.0387, 0.3709,  
0.3985

 88.2928, 0.3529,  
0.3781

 92.8412, 0.3357,  
0.3576

 97.6944, 0.3196,  
0.3377

# Harmonies

## Analogous

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



64.0036, 0.5120, 0.3982



64.0036, 0.4604, 0.4701



64.0036, 0.3753, 0.5214

# Triad

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



64.0036, 0.4604, 0.4701



64.0036, 0.1525, 0.2841



64.0036, 0.3185, 0.2128

# Complementary

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



64.0036, 0.4604, 0.4701



11.2012, 0.1587, 0.0881

# 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.



64.0036, 0.2256, 0.1841



64.0036, 0.4604, 0.4701



64.0036, 0.1439, 0.2118

# Square

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



64.0036, 0.4604, 0.4701



64.0036, 0.1983, 0.3991



64.0036, 0.1678, 0.1820



64.0036, 0.4271, 0.2637



# Rectangle

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



64.0036, 0.4604, 0.4701



64.0036, 0.3114, 0.5196



64.0036, 0.1678, 0.1820



64.0036, 0.2841, 0.2005

# Sweetspot

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



64.0012, 0.4604, 0.4701



86.7874, 0.3590, 0.3852



21.9674, 0.5925, 0.3071



18.1848, 0.3668, 0.3940



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.



64.0012, 0.4604, 0.4701



62.5644, 0.4644, 0.4695



82.0780, 0.3710, 0.5413



20.3865, 0.3275, 0.3475



32.9193, 0.4635, 0.4702



3.3626, 0.4575, 0.4750



# Inverse Universe

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



11.2012, 0.1587, 0.0881



9.9532, 0.1555, 0.0797



9.3363, 0.1718, 0.0739



18.0128, 0.2979, 0.3098



5.3763, 0.1561, 0.0820



0.6748, 0.1616, 0.1017



# Previews

## White Background



This preview shows how the Yxy color 64.0036, 0.4604, 0.4701 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 64.0036, 0.4604, 0.4701 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 64.0036, 0.4604, 0.4701**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0036, 0.4604, 0.4701.



This preview shows how white text looks on a background with the Yxy color 64.0036, 0.4604, 0.4701.

# 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

64.0036, 0.4604, 0.4701

### Protanopia

63.9697, 0.4388, 0.4861

### Deuteranopia

63.9926, 0.4301, 0.4265



## Tritanopia

63.8077, 0.3541, 0.3167

# Trichromacy



## Original Color

64.0036, 0.4604, 0.4701

## Protanomaly

63.7208, 0.4471, 0.4798

## Deuteranomaly

63.9433, 0.4463, 0.4497

## Tritanomaly

62.9701, 0.4088, 0.3921

# Monochromacy



## Original Color

64.0036, 0.4604, 0.4701

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

57.3640, 0.3809, 0.4094

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0036, 0.4604, 0.4701 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, 203, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 14)  
}
```

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, 203, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 14) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0036, 0.4604, 0.4701 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, 203, 14) }
```

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

```
.border{ border-color:rgb(255, 203, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
14) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0036, 0.4604, 0.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 14) }
```

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

```
.background{ background-color: rgb(255,  
203, 14) }
```

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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