

# Converting Colors

Yxy(60.2417, 0.4686, 0.4645)

Have a look what the booklet for  
Yxy(60.2417, 0.4686, 0.4645)  
contains.

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# **Color**

**Yxy(60.3099, 0.4684, 0.4646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC309
RGB	255, 195, 9
RGB Percent	100%, 76%, 4%
CMY	0.0000, 0.2353, 0.9643
CMYK	0.00, 0.24, 0.96, 0.00
HSL	45°, 100%, 52%
HSV	45°, 96%, 100%
XYZ	60.8032, 60.3099, 8.6973
YIQ	191.7360, 95.4660, -45.1260

# Conversions

## Conversions Part 2

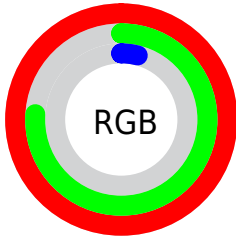
Format	Color
R <sub>Y</sub> B	88, 255, 9
Decimal	16761609
CIE Lab	82.01, 8.38, 82.84
CIE LCh	82, 83.266, 84.222
Yxy	60.3099, 0.4684, 0.4646
Android (android.graphics.Color)	4294951689 (0xFFFC309)
YUV	191.7360, -90.0888, 55.4825
Hunter-Lab	77.6594, 3.8519, 47.7216

# Details

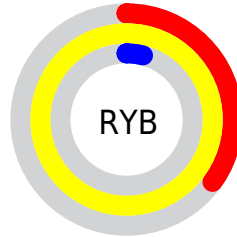
The Yxy color **60.3099, 0.4684, 0.4646** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **11.5464, 0.1591, 0.0905**, and the grayscale version is **53.0533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9425, 0.4058, 0.4764**, and **30.6835, 0.4754, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **59.3041, 0.4714, 0.4639**, and if you desaturate by 10%, it is **63.2582, 0.4587, 0.4644**.

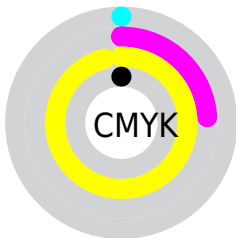
# Distribution



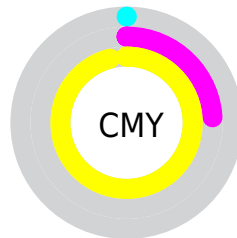
- Red (100%)
- Green (76%)
- Blue (4%)



- Red (35%)
- Yellow (100%)
- Blue (4%)



- Cyan (0%)
- Magenta (24%)
- Yellow (96%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3099, 0.4684, 0.4646 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 60.3099, 0.4684, 0.4646 by changing the saturation by 10% instead.





 60.3099, 0.4684,  
0.4646


 60.3099, 0.4684,  
0.4646


425.7391, 0.4035,  
0.4116

 43.6685, 0.4794,  
0.4724


 105.2791, 0.4486,  
0.4494

 30.4100, 0.4908,  
0.4796


 134.3756, 0.4401,  
0.4425


 20.1500, 0.5026,  
0.4859


 168.3927, 0.4323,  
0.4362

 12.5041, 0.5120,  
0.4880

 207.7146, 0.4253,  
0.4303

 7.0880, 0.5171,  
0.4829

 252.7258, 0.4190,  
0.4250

 3.5172, 0.5247,  
0.4753

 303.8107, 0.4134,

 1.4073, 0.5376,

0.4201

0.4624

361.3537, 0.4082,  
0.4157

■ 0.2221, 0.6518,  
0.3482

■ 0.0000, 0.0000,  
0.0000

■ 60.3099, 0.4684,  
0.4646

■ 60.3099, 0.4684,  
0.4646


■ 59.3041, 0.4714,  
0.4639

■ 63.2582, 0.4587,  
0.4644

■ 66.4303, 0.4458,  
0.4593

■ 69.8511, 0.4303,  
0.4495


■ 73.5384, 0.4128,  
0.4356

 77.5075, 0.3941,  
0.4187

 81.7721, 0.3752,  
0.3999

 86.3447, 0.3567,  
0.3802

 91.2367, 0.3391,  
0.3603

 96.4588, 0.3226,  
0.3410

# Harmonies

## Analogous

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



60.3099, 0.5162, 0.3916



60.3099, 0.4684, 0.4646



60.3099, 0.3844, 0.5209

# Triad

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



60.3099, 0.4684, 0.4646



60.3099, 0.1535, 0.2927



60.3099, 0.3083, 0.2079

# Complementary

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



60.3099, 0.4684, 0.4646



11.5464, 0.1591, 0.0905

# 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.



60.3099, 0.2176, 0.1813



60.3099, 0.4684, 0.4646



60.3099, 0.1417, 0.2153

# Square

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



60.3099, 0.4684, 0.4646



60.3099, 0.2033, 0.4118



60.3099, 0.1628, 0.1819



60.3099, 0.4186, 0.2574



# Rectangle

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



60.3099, 0.4684, 0.4646



60.3099, 0.3202, 0.5250



60.3099, 0.1628, 0.1819



60.3099, 0.2745, 0.1962

# Sweetspot

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



60.3129, 0.4684, 0.4646



85.1432, 0.3614, 0.3853



21.9061, 0.5877, 0.3032



17.8058, 0.3693, 0.3938



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.



60.3129, 0.4684, 0.4646



59.3077, 0.4714, 0.4639



82.9419, 0.3760, 0.5383



20.2957, 0.3275, 0.3469



31.2356, 0.4703, 0.4647



3.2117, 0.4633, 0.4704



# Inverse Universe

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



11.5464, 0.1591, 0.0905



10.6880, 0.1569, 0.0848



8.7412, 0.1662, 0.0701



18.0973, 0.2979, 0.3105



5.7783, 0.1576, 0.0873



0.7248, 0.1633, 0.1079



# Previews

## White Background



This preview shows how the Yxy color 60.3099, 0.4684, 0.4646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

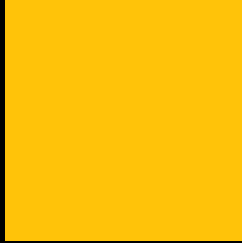
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.3099, 0.4684, 0.4646 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 60.3099, 0.4684, 0.4646**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.3099, 0.4684, 0.4646.



This preview shows how white text looks on a background with the Yxy color 60.3099, 0.4684, 0.4646.

# 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

60.3099, 0.4684, 0.4646

### Protanopia

60.5230, 0.4386, 0.4866

### Deuteranopia

60.1805, 0.4568, 0.4479



## Tritanopia

60.4090, 0.3622, 0.3177

# Trichromacy



## Original Color

60.3099, 0.4684, 0.4646

## Protanomaly

60.1531, 0.4499, 0.4785

## Deuteranomaly

60.0107, 0.4634, 0.4563

## Tritanomaly

59.2402, 0.4185, 0.3910

# Monochromacy



## Original Color

60.3099, 0.4684, 0.4646

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

54.0677, 0.3847, 0.4095

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.3099, 0.4684, 0.4646 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, 195, 9)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 9)  
}
```

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, 195, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 9) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3099, 0.4684, 0.4646 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, 195, 9) }
```

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

```
.border{ border-color:rgb(255, 195, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 9);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
9) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3099, 0.4684, 0.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 9) }
```

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

```
.background{ background-color: rgb(255,  
195, 9) }
```

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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