

# Converting Colors

Yxy(61.5465, 0.4688, 0.4585)

Have a look what the booklet for  
Yxy(61.5465, 0.4688, 0.4585)  
contains.

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# **Color**

**Yxy(60.3840, 0.4654, 0.4608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC31E
RGB	255, 195, 30
RGB Percent	100%, 76%, 12%
CMY	0.0000, 0.2352, 0.8822
CMYK	0.00, 0.24, 0.88, 0.00
HSL	44°, 100%, 56%
HSV	44°, 88%, 100%
XYZ	60.9868, 60.3840, 9.6709
YIQ	194.1300, 88.7250, -38.5950

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	112, 255, 30
Decimal	16761630
CIE Lab	82.05, 8.64, 79.81
CIE LCh	82, 80.278, 83.820
Yxy	60.3840, 0.4654, 0.4608
Android (android.graphics.Color)	4294951710 (0xFFFFC31E)
YUV	194.1300, -80.9161, 53.3830
Hunter-Lab	77.7071, 4.1044, 47.0162

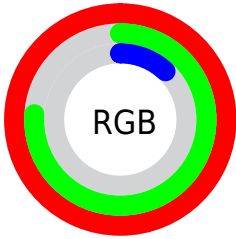
# Details

The Yxy color **60.3840, 0.4654, 0.4608** is a light color, and the websafe version is hex **FFCC33**.

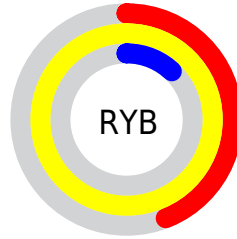
The color can be described as light washed yellow. A complement of this color would be **14.8101, 0.1668, 0.1111**, and the grayscale version is **54.4829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0989, 0.4023, 0.4708**, and **30.6835, 0.4754, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **57.3252, 0.4755, 0.4598**, and if you desaturate by 10%, it is **63.6906, 0.4522, 0.4570**.

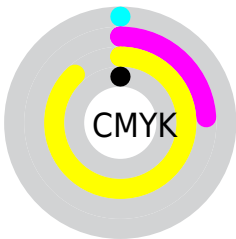
# Distribution



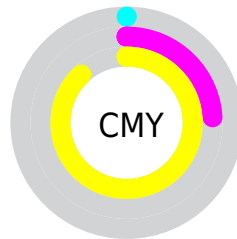
- Red (100%)
- Green (76%)
- Blue (12%)



- Red (44%)
- Yellow (100%)
- Blue (12%)



- Cyan (0%)
- Magenta (24%)
- Yellow (88%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3840, 0.4654, 0.4608 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 60.3840, 0.4654, 0.4608 by changing the saturation by 10% instead.




 60.3840, 0.4654,  
0.4608


 60.3840, 0.4654,  
0.4608


426.0117, 0.4009,  
0.4086


 43.7282, 0.4767,  
0.4688


 105.3865, 0.4455,  
0.4456


 30.4569, 0.4886,  
0.4764


 134.5020, 0.4369,  
0.4387

 20.1857, 0.5006,  
0.4828


 168.5396, 0.4292,  
0.4325

 12.5301, 0.5128,  
0.4872

 207.8836, 0.4223,  
0.4268

 7.1058, 0.5180,  
0.4820

 252.9184, 0.4161,  
0.4216

 3.5283, 0.5258,  
0.4742

 304.0284, 0.4105,

 1.4134, 0.5390,

0.4168

0.4610

361.5981, 0.4055,  
0.4125

0.2266, 0.6530,  
0.3470

0.0000, 0.0000,  
0.0000

60.3840, 0.4654,  
0.4608

60.3840, 0.4654,  
0.4608

57.3252, 0.4755,  
0.4598

63.6906, 0.4522,  
0.4570

56.8000, 0.4772,  
0.4593

67.2613, 0.4361,  
0.4484

71.1178, 0.4181,  
0.4355

75.2762, 0.3989,  
0.4195

79.7509, 0.3794,  
0.4014

84.5549, 0.3604,  
0.3822

89.7002, 0.3423,  
0.3629

95.1981, 0.3255,  
0.3440

99.9978, 0.3127,  
0.3290

# Harmonies

## Analogous

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



60.3840, 0.5102, 0.3902



60.3840, 0.4654, 0.4608



60.3840, 0.3846, 0.5141

# Triad

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



60.3840, 0.4654, 0.4608



60.3840, 0.1586, 0.2959



60.3840, 0.3074, 0.2108

# Complementary

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



60.3840, 0.4654, 0.4608



14.8101, 0.1668, 0.1111

# 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.



60.3840, 0.2197, 0.1852



60.3840, 0.4654, 0.4608



60.3840, 0.1463, 0.2199

# Square

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



60.3840, 0.4654, 0.4608



60.3840, 0.2081, 0.4103



60.3840, 0.1664, 0.1863



60.3840, 0.4136, 0.2590



# Rectangle

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



60.3840, 0.4654, 0.4608



60.3840, 0.3223, 0.5176



60.3840, 0.1664, 0.1863



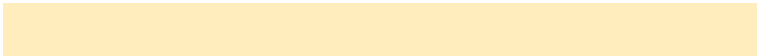
60.3840, 0.2747, 0.1995

# Sweetspot

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



60.3870, 0.4654, 0.4608



85.6768, 0.3563, 0.3779



22.9266, 0.5563, 0.2929



17.9684, 0.3627, 0.3846



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.



60.3870, 0.4654, 0.4608



56.8058, 0.4772, 0.4593



84.2328, 0.3804, 0.5297



20.2231, 0.3276, 0.3463



29.9408, 0.4760, 0.4603



3.0950, 0.4680, 0.4666



# Inverse Universe

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



14.8101, 0.1668, 0.1111



11.3528, 0.1581, 0.0892



9.9669, 0.1730, 0.0783



18.1654, 0.2979, 0.3110



6.1395, 0.1589, 0.0919



0.7681, 0.1648, 0.1131



# Previews

## White Background



This preview shows how the Yxy color 60.3840, 0.4654, 0.4608 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 60.3840, 0.4654, 0.4608 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 60.3840, 0.4654, 0.4608**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.3840, 0.4654, 0.4608.



This preview shows how white text looks on a background with the Yxy color 60.3840, 0.4654, 0.4608.

# 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

60.3840, 0.4654, 0.4608

### Protanopia

60.5954, 0.4359, 0.4825

### Deuteranopia

60.2025, 0.4560, 0.4469



## Tritanopia

60.4090, 0.3622, 0.3177

# Trichromacy



## Original Color

60.3840, 0.4654, 0.4608

## Protanomaly

60.2283, 0.4469, 0.4743

## Deuteranomaly

60.0826, 0.4606, 0.4527

## Tritanomaly

59.4328, 0.4129, 0.3842

# Monochromacy



## Original Color

60.3840, 0.4654, 0.4608

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.9037, 0.3783, 0.4001

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.3840, 0.4654, 0.4608 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 30) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3840, 0.4654, 0.4608 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, 30) }
```

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

```
.border{ border-color:rgb(255, 195, 30) }
```

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, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 30);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
30) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3840, 0.4654, 0.4608 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, 30) }
```

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

```
.background{ background-color: rgb(255,  
195, 30) }
```

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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