

# Converting Colors

Yxy(51.6363, 0.4613, 0.4687)

Have a look what the booklet for  
Yxy(51.6363, 0.4613, 0.4687)  
contains.

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**Color**

**Yxy(51.6363, 0.4613, 0.4687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9B80E
RGB	233, 184, 14
RGB Percent	91%, 72%, 5%
CMY	0.0863, 0.2784, 0.9441
CMYK	0.00, 0.21, 0.94, 0.09
HSL	47°, 88%, 48%
HSV	47°, 94%, 91%
XYZ	50.8210, 51.6363, 7.7118
YIQ	179.2710, 83.7740, -42.4820

# Conversions

## Conversions Part 2

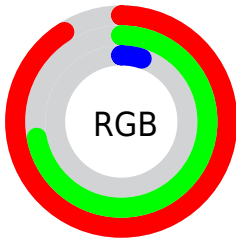
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 233, 14
Decimal	15317006
CIE <sub>Lab</sub>	77.06, 4.69, 77.70
CIE <sub>LCh</sub>	77, 77.846, 86.545
Yxy	51.6363, 0.4613, 0.4687
Android (android.graphics.Color)	4293507086 (0xFFE9B80E)
YUV	179.2710, -81.4786, 47.1203
Hunter-Lab	71.8584, 0.4899, 43.9379

# Details

The Yxy color **51.6363, 0.4613, 0.4687** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **9.5561, 0.1600, 0.0916**, and the grayscale version is **45.6571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2521, 0.4127, 0.4694**, and **25.0033, 0.4685, 0.4662** is the 20% darker color. If you saturate the color by 10%, you get **50.2964, 0.4661, 0.4681**, and if you desaturate by 10%, it is **53.9508, 0.4515, 0.4667**.

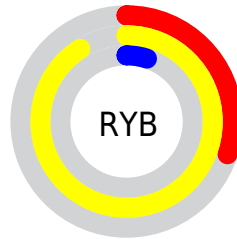
# Distribution



Red (91%)

Green (72%)

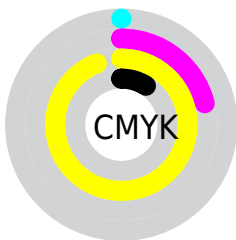
Blue (5%)



Red (30%)

Yellow (91%)

Blue (5%)

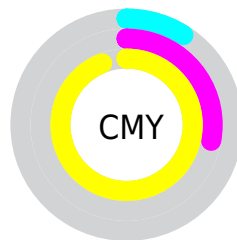


Cyan (0%)

Magenta (21%)

Yellow (94%)

Black (9%)



Cyan (9%)

Magenta (28%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6363, 0.4613, 0.4687 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 51.6363, 0.4613, 0.4687 by changing the saturation by 10% instead.





 51.6363, 0.4613,  
0.4687

 51.6363, 0.4613,  
0.4687


393.0309, 0.3975,  
0.4109

 36.7153, 0.4723,  
0.4779


 92.5946, 0.4416,  
0.4515

 24.9871, 0.4835,  
0.4867


 119.4007, 0.4331,  
0.4438

 16.0674, 0.4964,  
0.4962


 150.9373, 0.4255,  
0.4369

 9.5719, 0.5025,  
0.4975

 187.5887, 0.4187,  
0.4306

 5.1160, 0.5060,  
0.4940

 229.7394, 0.4126,  
0.4249

 2.3155, 0.5116,  
0.4884

 277.7737, 0.4070,

 0.7819, 0.5231,

0.4198

0.4769

332.0761, 0.4020,  
0.4151

■ 0.0000, 0.0000,  
0.0000

■ 51.6363, 0.4613,  
0.4687

■ 51.6363, 0.4613,  
0.4687

■ 50.2964, 0.4661,  
0.4681

■ 53.9508, 0.4515,  
0.4667

■ 56.4371, 0.4386,  
0.4599

■ 59.1138, 0.4233,  
0.4486

■ 61.9943, 0.4061,  
0.4335

■ 65.0903, 0.3880,  
0.4157

■ 68.4121, 0.3696,  
0.3962

■ 71.9694, 0.3516,  
0.3761

■ 75.7709, 0.3345,  
0.3559

■ 79.8248, 0.3186,  
0.3364

# Harmonies

## Analogous

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



51.6363, 0.5119, 0.3970



51.6363, 0.4613, 0.4687



51.6363, 0.3768, 0.5205

# Triad

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



51.6363, 0.4613, 0.4687



51.6363, 0.1533, 0.2859



51.6363, 0.3167, 0.2124

# Complementary

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



51.6363, 0.4613, 0.4687



9.5561, 0.1600, 0.0916

# 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.



51.6363, 0.2246, 0.1841



51.6363, 0.4613, 0.4687



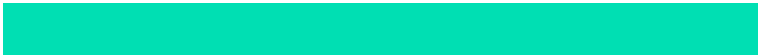
51.6363, 0.1442, 0.2130

# Square

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



51.6363, 0.4613, 0.4687



51.6363, 0.1997, 0.4009



51.6363, 0.1675, 0.1825



51.6363, 0.4250, 0.2629



# Rectangle

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



51.6363, 0.4613, 0.4687



51.6363, 0.3131, 0.5195



51.6363, 0.1675, 0.1825



51.6363, 0.2826, 0.2002

# Sweetspot

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



51.6388, 0.4613, 0.4687



86.4459, 0.3592, 0.3847



18.0262, 0.5841, 0.3033



18.1016, 0.3670, 0.3934



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.



51.6388, 0.4613, 0.4687



61.6080, 0.4664, 0.4679



67.3736, 0.3741, 0.5383



17.0216, 0.3273, 0.3472



28.7376, 0.4653, 0.4688



2.3969, 0.4576, 0.4749



# Inverse Universe

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



9.5561, 0.1600, 0.0916



10.1550, 0.1559, 0.0811



7.6027, 0.1710, 0.0740



15.0958, 0.2980, 0.3102



4.8920, 0.1567, 0.0840



0.5248, 0.1637, 0.1092



# Previews

## White Background



This preview shows how the Yxy color 51.6363, 0.4613, 0.4687 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 51.6363, 0.4613, 0.4687 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 51.6363, 0.4613, 0.4687**

## Background



This preview shows how black text looks on a background with the Yxy color 51.6363, 0.4613, 0.4687.



This preview shows how white text looks on a background with the Yxy color 51.6363, 0.4613, 0.4687.

# 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

51.6363, 0.4613, 0.4687

### Protanopia

51.7523, 0.4386, 0.4854

### Deuteranopia

51.7955, 0.4702, 0.4603



## Tritanopia

51.4638, 0.3661, 0.3149

# Trichromacy



## Original Color

51.6363, 0.4613, 0.4687

## Protanomaly

51.5365, 0.4477, 0.4786

## Deuteranomaly

51.6735, 0.4671, 0.4634

## Tritanomaly

50.8065, 0.4178, 0.3885

# Monochromacy



## Original Color

51.6363, 0.4613, 0.4687

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

46.5218, 0.3805, 0.4078

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.6363, 0.4613, 0.4687 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(233, 184, 14)` looks like.

```
.text, #text, p{  
    color:rgb(233, 184, 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(233, 184, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 184, 14) }
```

## Border

The CSS property to change the border of an element to Yxy 51.6363, 0.4613, 0.4687 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(233, 184, 14) }
```

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

```
.border{ border-color:rgb(233, 184, 14) }
```

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

Here you see how a box with a 4 pixel rgb(233, 184, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 184, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 184, 14);  
box-shadow:4px 4px 4px 4px rgb(233, 184,  
14) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.6363, 0.4613, 0.4687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 184, 14) }
```

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

```
.background{ background-color: rgb(233,  
184, 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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