

# Converting Colors

$Yxy(37.9313, 0.4547, 0.4754)$

Have a look what the booklet for  
Yxy(37.9313, 0.4547, 0.4754)  
contains.

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**Color**

**Yxy(37.8596, 0.4549, 0.4752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6A206
RGB	198, 162, 6
RGB Percent	78%, 64%, 2%
CMY	0.2235, 0.3647, 0.9765
CMYK	0.00, 0.18, 0.97, 0.22
HSL	49°, 94%, 40%
HSV	49°, 97%, 78%
XYZ	36.2423, 37.8596, 5.5690
YIQ	154.9800, 71.5320, -40.8840

# Conversions

## Conversions Part 2

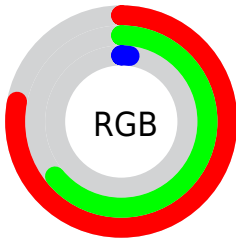
Format	Color
<a href="#">RYB</a>	<a href="#">50, 198, 6</a>
Decimal	<a href="#">13017606</a>
CIELab	<a href="#">67.92, 0.86, 70.44</a>
CIELCh	<a href="#">68, 70.450, 89.299</a>
Yxy	<a href="#">37.8596, 0.4549, 0.4752</a>
Android (android.graphics.Color)	<a href="#">4291207686</a> ( <a href="#">0xFFC6A206</a> )
YUV	<a href="#">154.9800, -73.4471, 37.7285</a>
Hunter-Lab	<a href="#">61.5302, -2.5383, 37.7049</a>

# Details

The Yxy color **37.8596, 0.4549, 0.4752** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **5.7708, 0.1567, 0.0815**, and the grayscale version is **33.0774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9218, 0.4321, 0.4562**, and **16.8578, 0.4590, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **37.4545, 0.4570, 0.4753**, and if you desaturate by 10%, it is **39.2492, 0.4470, 0.4735**.

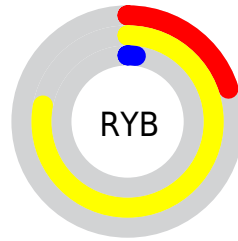
# Distribution



Red (78%)

Green (64%)

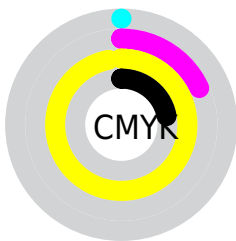
Blue (2%)



Red (20%)

Yellow (78%)

Blue (2%)

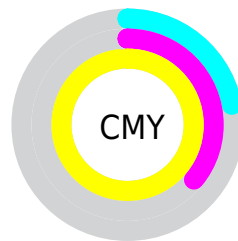


Cyan (0%)

Magenta (18%)

Yellow (97%)

Black (22%)



Cyan (22%)

Magenta (36%)


Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8596, 0.4549, 0.4752 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 37.8596, 0.4549, 0.4752 by changing the saturation by 10% instead.




 37.8596, 0.4549,  
0.4752


 37.8596, 0.4549,  
0.4752


337.0173, 0.3907,  
0.4096


 25.8737, 0.4661,  
0.4865


 71.8929, 0.4347,  
0.4547


 16.7292, 0.4773,  
0.4974


 94.7091, 0.4260,  
0.4459


 10.0416, 0.4901,  
0.5099


 121.9042, 0.4183,  
0.4380

 5.4266, 0.4907,  
0.5093

 153.8627, 0.4115,  
0.4310

 2.4996, 0.4917,  
0.5083

 190.9688, 0.4054,  
0.4248

 0.8765, 0.4936,  
0.5064

 233.6070, 0.4000,

 0.0000, 0.0000,

0.4192

0.0000

282.1617, 0.3951,  
0.4141

37.8596, 0.4549,  
0.4752

37.8596, 0.4549,  
0.4752

37.4545, 0.4570,  
0.4753

39.2492, 0.4470,  
0.4735

40.7357, 0.4364,  
0.4673

42.3333, 0.4230,  
0.4566

44.0510, 0.4076,  
0.4419

45.8966, 0.3908,  
0.4243

■ 47.8773, 0.3734,  
0.4047

■ 49.9992, 0.3560,  
0.3841

■ 52.2683, 0.3392,  
0.3632

■ 54.6900, 0.3232,  
0.3428

# Harmonies

## Analogous

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



37.8596, 0.5099, 0.4037



37.8596, 0.4549, 0.4752



37.8596, 0.3682, 0.5232

# Triad

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



37.8596, 0.4549, 0.4752



37.8596, 0.1506, 0.2769



37.8596, 0.3265, 0.2159

# Complementary

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



37.8596, 0.4549, 0.4752



5.7708, 0.1567, 0.0815

# 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.



37.8596, 0.2314, 0.1853



37.8596, 0.4549, 0.4752



37.8596, 0.1445, 0.2082

# Square

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



37.8596, 0.4549, 0.4752



37.8596, 0.1934, 0.3897



37.8596, 0.1709, 0.1811



37.8596, 0.4346, 0.2681



# Rectangle

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



37.8596, 0.4549, 0.4752



37.8596, 0.3042, 0.5169



37.8596, 0.1709, 0.1811



37.8596, 0.2916, 0.2030

# Sweetspot

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



37.8615, 0.4549, 0.4752



87.5897, 0.3603, 0.3892



12.3208, 0.6002, 0.3105



18.3987, 0.3678, 0.3982



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.



37.8615, 0.4549, 0.4752



65.9801, 0.4577, 0.4748



46.0121, 0.3680, 0.5443



12.0659, 0.3270, 0.3476



24.4747, 0.4564, 0.4758



1.2488, 0.4474, 0.4830



# Inverse Universe

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



5.7708, 0.1567, 0.0815



9.3180, 0.1543, 0.0753



5.2837, 0.1729, 0.0740



10.6039, 0.2983, 0.3097



3.6105, 0.1553, 0.0789

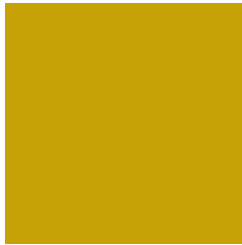


0.2708, 0.1656, 0.1160



# Previews

## White Background



This preview shows how the Yxy color 37.8596, 0.4549, 0.4752 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 37.8596, 0.4549, 0.4752 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 37.8596, 0.4549, 0.4752**

## Background



This preview shows how black text looks on a background with the Yxy color 37.8596, 0.4549, 0.4752.

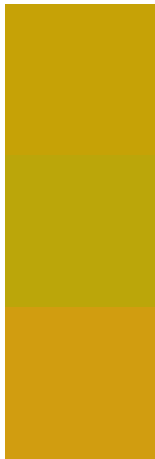


This preview shows how white text looks on a background with the Yxy color 37.8596, 0.4549, 0.4752.

# 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

37.8596, 0.4549, 0.4752

### Protanopia

37.8591, 0.4392, 0.4864

### Deuteranopia

37.7067, 0.4694, 0.4604



## Tritanopia

38.0073, 0.3593, 0.3152

# Trichromacy



## Original Color

37.8596, 0.4549, 0.4752

## Protanomaly

38.0064, 0.4443, 0.4826

## Deuteranomaly

37.8020, 0.4641, 0.4661

## Tritanomaly

37.3000, 0.4125, 0.3927

# Monochromacy



## Original Color

37.8596, 0.4549, 0.4752

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

34.0512, 0.3795, 0.4120

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.8596, 0.4549, 0.4752 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(198, 162, 6)` looks like.

```
.text, #text, p{  
    color:rgb(198, 162, 6)  
}
```

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(198, 162, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 162, 6) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8596, 0.4549, 0.4752 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(198, 162, 6) }
```

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

```
.border{ border-color:rgb(198, 162, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 162, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 162, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 162, 6);  
box-shadow:4px 4px 4px 4px rgb(198, 162,  
6) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8596, 0.4549, 0.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 162, 6) }
```

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

```
.background{ background-color: rgb(198,  
162, 6) }
```

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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