

# Converting Colors

Yxy(47.8517, 0.4336, 0.4881)

Have a look what the booklet for  
Yxy(47.8517, 0.4336, 0.4881)  
contains.

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# Color

**Yxy(48.0057, 0.4333, 0.4885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCBA14
RGB	204, 186, 20
RGB Percent	80%, 73%, 8%
CMY	0.2001, 0.2705, 0.9214
CMYK	0.00, 0.09, 0.90, 0.20
HSL	54°, 82%, 44%
HSV	54°, 90%, 80%
XYZ	42.5811, 48.0057, 7.6848
YIQ	172.4580, 64.0140, -47.8100

# Conversions

## Conversions Part 2

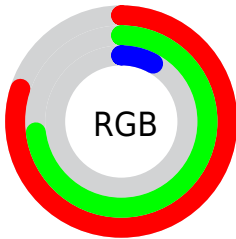
Format	Color
<a href="#">RYB</a>	<a href="#">40, 204, 20</a>
Decimal	<a href="#">13416980</a>
CIELab	<a href="#">74.83, -8.92, 73.95</a>
CIElCh	<a href="#">75, 74.484, 96.875</a>
Yxy	<a href="#">48.0057, 0.4333, 0.4885</a>
Android (android.graphics.Color)	<a href="#">4291607060 (0xFFCCBA14)</a>
YUV	<a href="#">172.4580, -75.1618, 27.6623</a>
Hunter-Lab	<a href="#">69.2861, -11.5502, 41.9242</a>

# Details

The Yxy color **48.0057, 0.4333, 0.4885** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **5.8931, 0.1575, 0.0782**, and the grayscale version is **41.8659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4688, 0.4107, 0.4696**, and **22.7948, 0.4343, 0.4934** is the 20% darker color. If you saturate the color by 10%, you get **47.1387, 0.4377, 0.4907**, and if you desaturate by 10%, it is **48.9584, 0.4265, 0.4826**.

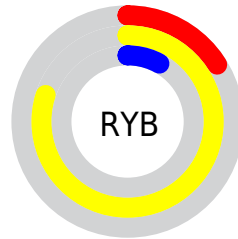
# Distribution



Red (80%)

Green (73%)

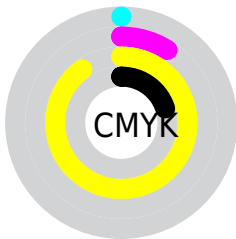
Blue (8%)



Red (16%)

Yellow (80%)

Blue (8%)

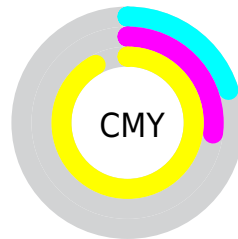


Cyan (0%)

Magenta (9%)

Yellow (90%)

Black (20%)



Cyan (20%)

Magenta (27%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0057, 0.4333, 0.4885 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 48.0057, 0.4333, 0.4885 by changing the saturation by 10% instead.





 48.0057, 0.4333,  
0.4885


 48.0057, 0.4333,  
0.4885


378.8147, 0.3824,  
0.4164


 33.8314, 0.4415,  
0.5020


 87.2129, 0.4180,  
0.4653


 22.7641, 0.4491,  
0.5164

 113.0146, 0.4112,  
0.4556

 14.4194, 0.4574,  
0.5339


 143.4608, 0.4051,  
0.4471


 8.4130, 0.4563,  
0.5437

 178.9361, 0.3996,  
0.4395

 4.3603, 0.4485,  
0.5515

 219.8247, 0.3946,  
0.4327

 1.8771, 0.4356,  
0.5644

 266.5111, 0.3901,

 0.5345, 0.3520,

0.4267

0.6480

319.3796, 0.3860,  
0.4213

0.0000, 0.0000,  
0.0000

48.0057, 0.4333,  
0.4885

48.0057, 0.4333,  
0.4885

47.1387, 0.4377,  
0.4907

48.9584, 0.4265,  
0.4826

49.9939, 0.4170,  
0.4723

51.1247, 0.4051,  
0.4578

52.3594, 0.3911,  
0.4398

53.7053, 0.3758,  
0.4193

■ 55.1692, 0.3598,  
0.3971

■ 56.7573, 0.3437,  
0.3742

■ 58.4754, 0.3280,  
0.3515

■ 60.3286, 0.3130,  
0.3294

# Harmonies

## Analogous

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



48.0057, 0.4970, 0.4213



48.0057, 0.4333, 0.4885



48.0057, 0.3442, 0.5209

# Triad

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



48.0057, 0.4333, 0.4885



48.0057, 0.1488, 0.2570



48.0057, 0.3535, 0.2293

# Complementary

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



48.0057, 0.4333, 0.4885



5.8931, 0.1575, 0.0782

# 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.



48.0057, 0.2538, 0.1931



48.0057, 0.4333, 0.4885



48.0057, 0.1510, 0.2005

# Square

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



48.0057, 0.4333, 0.4885



48.0057, 0.1816, 0.3581



48.0057, 0.1852, 0.1821



48.0057, 0.4550, 0.2849



# Rectangle

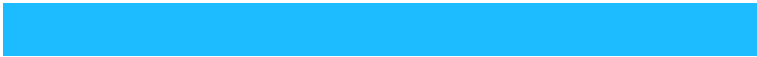
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0057, 0.4333, 0.4885



48.0057, 0.2815, 0.4985



48.0057, 0.1852, 0.1821



48.0057, 0.3179, 0.2147

# Sweetspot

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



48.0080, 0.4333, 0.4885



92.1183, 0.3553, 0.3907



13.4775, 0.6056, 0.3201



19.5284, 0.3609, 0.3985



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.



48.0080, 0.4333, 0.4885



77.9142, 0.4379, 0.4905



47.9991, 0.3550, 0.5500



12.9022, 0.3268, 0.3497



29.7559, 0.4374, 0.4909



1.5906, 0.4334, 0.4940



# Inverse Universe

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



5.8931, 0.1575, 0.0782



7.9106, 0.1514, 0.0651



7.2190, 0.1950, 0.0896



11.0172, 0.2982, 0.3074



3.1199, 0.1520, 0.0673



0.2226, 0.1581, 0.0893



# Previews

## White Background



This preview shows how the Yxy color 48.0057, 0.4333, 0.4885 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 48.0057, 0.4333, 0.4885 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 48.0057, 0.4333, 0.4885**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0057, 0.4333, 0.4885.



This preview shows how white text looks on a background with the Yxy color 48.0057, 0.4333, 0.4885.

# 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

48.0057, 0.4333, 0.4885

### Protanopia

48.1583, 0.4379, 0.4849

### Deuteranopia

47.9147, 0.4664, 0.4575



## Tritanopia

47.8794, 0.3395, 0.3136

# Trichromacy



## Original Color

48.0057, 0.4333, 0.4885

## Protanomaly

48.0138, 0.4370, 0.4856

## Deuteranomaly

47.8489, 0.4548, 0.4686

## Tritanomaly

47.1960, 0.3875, 0.3928

# Monochromacy



## Original Color

48.0057, 0.4333, 0.4885

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

42.9190, 0.3697, 0.4099

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0057, 0.4333, 0.4885 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(204, 186, 20)` looks like.

```
.text, #text, p{  
    color:rgb(204, 186, 20)  
}
```

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(204, 186, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 186, 20) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0057, 0.4333, 0.4885 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(204, 186, 20) }
```

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

```
.border{ border-color:rgb(204, 186, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 186, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 186, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 186, 20);  
box-shadow:4px 4px 4px 4px rgb(204, 186,  
20) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0057, 0.4333, 0.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 186, 20) }
```

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

```
.background{ background-color: rgb(204,  
186, 20) }
```

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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