

# Converting Colors

Yxy(47.9552, 0.4358, 0.4922)

Have a look what the booklet for  
Yxy(47.9552, 0.4358, 0.4922)  
contains.

<b>Yxy(47.9552, 0.4358, 0.4922)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(47.9552, 0.4358, 0.4922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCBA00
RGB	204, 186, 0
RGB Percent	80%, 73%, 0%
CMY	0.2000, 0.2706, 1.0000
CMYK	0.00, 0.09, 1.00, 0.20
HSL	55°, 100%, 40%
HSV	55°, 100%, 80%
XYZ	42.4601, 47.9552, 7.0150
YIQ	170.1780, 70.4340, -54.0300

# Conversions

## Conversions Part 2

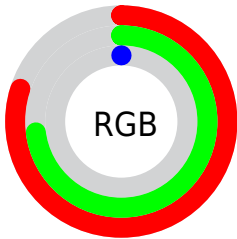
Format	Color
RYB	20, 204, 0
Decimal	13416960
CIELab	74.80, -9.14, 76.37
CIELCh	75, 76.914, 96.826
Yxy	47.9552, 0.4358, 0.4922
Android (android.graphics.Color)	4291607040 (0xFFCCBA00)
YUV	170.1780, -83.8978, 29.6619
Hunter-Lab	69.2497, -11.7405, 42.4687

# Details

The Yxy color **47.9552, 0.4358, 0.4922** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **4.7919, 0.1515, 0.0653**, and the grayscale version is **40.6941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3583, 0.4134, 0.4738**, and **22.7948, 0.4343, 0.4934** is the 20% darker color. If you saturate the color by 10%, you get **47.9577, 0.4358, 0.4922**, and if you desaturate by 10%, it is **48.7726, 0.4316, 0.4898**.

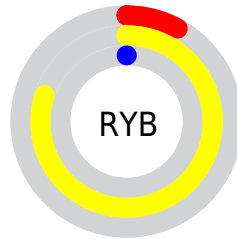
# Distribution



Red (80%)

Green (73%)

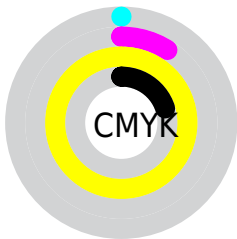
Blue (0%)



Red (8%)

Yellow (80%)

Blue (0%)

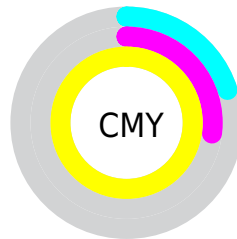


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (27%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9552, 0.4358, 0.4922 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 47.9552, 0.4358, 0.4922 by changing the saturation by 10% instead.




 47.9552, 0.4358,  
0.4922

 47.9552, 0.4358,  
0.4922


378.6145, 0.3845,  
0.4191


 33.7914, 0.4437,  
0.5056


 87.1377, 0.4206,  
0.4690

 22.7334, 0.4508,  
0.5196


 112.9252, 0.4138,  
0.4592

 14.3968, 0.4597,  
0.5380


 143.3561, 0.4077,  
0.4505

 8.3971, 0.4554,  
0.5446

 178.8147, 0.4021,  
0.4427

 4.3501, 0.4475,  
0.5525

 219.6854, 0.3970,  
0.4358

 1.8713, 0.4342,  
0.5658

 266.3527, 0.3924,

 0.5310, 0.3465,

0.4296

0.6535

319.2010, 0.3883,  
0.4241

0.0000, 0.0000,  
0.0000

47.9552, 0.4358,  
0.4922

47.9552, 0.4358,  
0.4922

47.9577, 0.4358,  
0.4922

48.7726, 0.4316,  
0.4898

49.6519, 0.4250,  
0.4837

50.6144, 0.4158,  
0.4732

51.6702, 0.4040,  
0.4586

52.8279, 0.3903,  
0.4404

■ 54.0948, 0.3752,  
0.4197

■ 55.4778, 0.3594,  
0.3973

■ 56.9829, 0.3434,  
0.3743

■ 58.6158, 0.3277,  
0.3513

# Harmonies

## Analogous

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



47.9552, 0.5019, 0.4223



47.9552, 0.4358, 0.4922



47.9552, 0.3442, 0.5275

# Triad

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



47.9552, 0.4358, 0.4922



47.9552, 0.1447, 0.2544



47.9552, 0.3543, 0.2265

# Complementary

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



47.9552, 0.4358, 0.4922



4.7919, 0.1515, 0.0653

# 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.



47.9552, 0.2518, 0.1897



47.9552, 0.4358, 0.4922



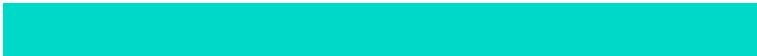
47.9552, 0.1470, 0.1969

# Square

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



47.9552, 0.4358, 0.4922



47.9552, 0.1778, 0.3589



47.9552, 0.1817, 0.1784



47.9552, 0.4594, 0.2832



# Rectangle

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



47.9552, 0.4358, 0.4922



47.9552, 0.2800, 0.5051



47.9552, 0.1817, 0.1784



47.9552, 0.3176, 0.2116

# Sweetspot

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



47.9577, 0.4358, 0.4922



91.7849, 0.3600, 0.3982



12.8891, 0.6294, 0.3241



19.4319, 0.3668, 0.4079



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.



47.9577, 0.4358, 0.4922



79.2605, 0.4360, 0.4920



47.3519, 0.3508, 0.5597



12.9209, 0.3268, 0.3499



30.2555, 0.4355, 0.4924



1.6116, 0.4320, 0.4952



# Inverse Universe

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



4.7919, 0.1515, 0.0653



7.8128, 0.1512, 0.0644



6.1355, 0.1838, 0.0786



11.0004, 0.2982, 0.3072



3.0750, 0.1518, 0.0664



0.2148, 0.1574, 0.0866



# Previews

## White Background



This preview shows how the Yxy color 47.9552, 0.4358, 0.4922 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 47.9552, 0.4358, 0.4922 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 47.9552, 0.4358, 0.4922**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.9552, 0.4358, 0.4922.



This preview shows how white text looks on a background with the Yxy color 47.9552, 0.4358, 0.4922.

# 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

47.9552, 0.4358, 0.4922

### Protanopia

48.1078, 0.4404, 0.4886

### Deuteranopia

48.0538, 0.4687, 0.4587



## Tritanopia

47.8794, 0.3395, 0.3136

# Trichromacy



## Original Color

47.9552, 0.4358, 0.4922

## Protanomaly

47.9633, 0.4395, 0.4893

## Deuteranomaly

47.8072, 0.4569, 0.4714

## Tritanomaly

46.9977, 0.3942, 0.4023

# Monochromacy



## Original Color

47.9552, 0.4358, 0.4922

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

42.0785, 0.3755, 0.4211

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9552, 0.4358, 0.4922 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 186, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 186, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9552, 0.4358, 0.4922 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, 0) }
```

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

```
.border{ border-color:rgb(204, 186, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 186,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9552, 0.4358, 0.4922 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, 0) }
```

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

```
.background{ background-color: rgb(204,  
186, 0) }
```

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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