

# Converting Colors

$Yxy(46.8677, 0.4211, 0.4264)$

Have a look what the booklet for  
Yxy(46.8677, 0.4211, 0.4264)  
contains.

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# Color

**Yxy(46.9687, 0.4207, 0.4270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9B15C
RGB	217, 177, 92
RGB Percent	85%, 69%, 36%
CMY	0.1489, 0.3059, 0.6392
CMYK	0.00, 0.18, 0.58, 0.15
HSL	41°, 62%, 61%
HSV	41°, 58%, 85%
XYZ	46.2757, 46.9687, 16.7525
YIQ	179.2700, 51.1250, -17.9550

# Conversions

## Conversions Part 2

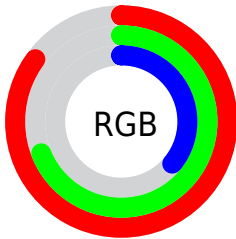
Format	Color
<b>RYB</b>	151, 217, 92
Decimal	14266716
CIELab	74.17, 4.68, 48.30
CIELCh	74, 48.522, 84.461
Yxy	46.9687, 0.4207, 0.4270
Android (android.graphics.Color)	4292456796 (0xFFD9B15C)
YUV	179.2700, -43.0241, 33.0892
Hunter-Lab	68.5337, 0.5938, 33.4806

# Details

The Yxy color **46.9687, 0.4207, 0.4270** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.7999, 0.2137, 0.2018**, and the grayscale version is **45.4470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9868, 0.3869, 0.4171**, and **22.1983, 0.4455, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **43.9684, 0.4408, 0.4393**, and if you desaturate by 10%, it is **50.2221, 0.3999, 0.4118**.

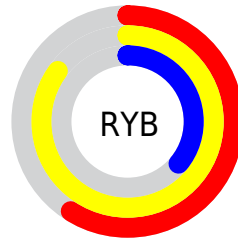
# Distribution



Red (85%)

Green (69%)

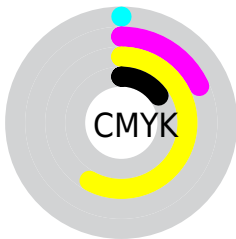
Blue (36%)



Red (59%)

Yellow (85%)

Blue (36%)

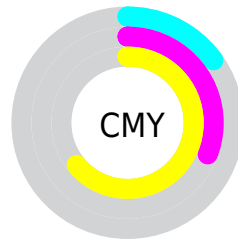


Cyan (0%)

Magenta (18%)

Yellow (58%)

Black (15%)



Cyan (15%)

Magenta (31%)


Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9687, 0.4207, 0.4270 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 46.9687, 0.4207, 0.4270 by changing the saturation by 10% instead.





 46.9687, 0.4207,  
0.4270


 46.9687, 0.4207,  
0.4270


374.6896, 0.3689,  
0.3812

 33.0109, 0.4323,  
0.4368


 85.6669, 0.4028,  
0.4114

 22.1348, 0.4460,  
0.4481


 111.1761, 0.3957,  
0.4053

 13.9560, 0.4624,  
0.4610


 141.3046, 0.3897,  
0.3999

 8.0901, 0.4814,  
0.4750

 176.4367, 0.3844,  
0.3952

 4.1526, 0.5073,  
0.4927

216.9568, 0.3798,  
0.3910

 1.7593, 0.5138,  
0.4862

263.2495, 0.3757,

 0.4616, 0.5451,

0.3874

0.4549

315.6989, 0.3721,  
0.3841

0.0000, 0.0000,  
0.0000

46.9687, 0.4207,  
0.4270

46.9687, 0.4207,  
0.4270

43.9684, 0.4408,  
0.4393

50.2221, 0.3999,  
0.4118

41.2027, 0.4592,  
0.4475

53.7321, 0.3794,  
0.3948

38.6606, 0.4751,  
0.4509

57.5108, 0.3597,  
0.3770

36.3245, 0.4878,  
0.4494

61.5668, 0.3414,  
0.3591

35.7898, 0.4906,  
0.4486

65.9087, 0.3245,  
0.3417

■ 70.5443, 0.3092,  
0.3251

■ 75.4810, 0.2955,  
0.3096

■ 80.0226, 0.2892,  
0.3057

■ 84.0260, 0.2894,  
0.3130

# Harmonies

## Analogous

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



46.9687, 0.4468, 0.3810



46.9687, 0.4207, 0.4270



46.9687, 0.3668, 0.4525

# Triad

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



46.9687, 0.4207, 0.4270



46.9687, 0.2049, 0.3096



46.9687, 0.3125, 0.2459

# Complementary

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



46.9687, 0.4207, 0.4270



23.7999, 0.2137, 0.2018

# 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.



46.9687, 0.2506, 0.2267



46.9687, 0.4207, 0.4270



46.9687, 0.1942, 0.2561

# Square

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



46.9687, 0.4207, 0.4270



46.9687, 0.2426, 0.3800



46.9687, 0.2098, 0.2289



46.9687, 0.3814, 0.2824



# Rectangle

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



46.9687, 0.4207, 0.4270



46.9687, 0.3234, 0.4477



46.9687, 0.2098, 0.2289



46.9687, 0.2901, 0.2374

# Sweetspot

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



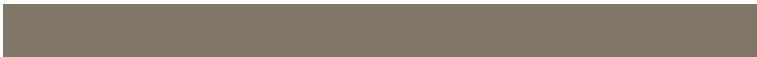
46.9710, 0.4207, 0.4270



88.9767, 0.3406, 0.3583



24.1235, 0.4271, 0.2805



18.7833, 0.3442, 0.3619



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.



46.9710, 0.4207, 0.4270



62.5151, 0.4447, 0.4413



62.1748, 0.3776, 0.4737



14.5241, 0.3275, 0.3448



21.8573, 0.4893, 0.4497



1.5691, 0.4751, 0.4609



# Inverse Universe

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



23.7999, 0.2137, 0.2018



26.3218, 0.1942, 0.1704



16.1665, 0.2166, 0.1513



13.2945, 0.2981, 0.3126



5.8152, 0.1626, 0.1054



0.5296, 0.1718, 0.1383



# Previews

## White Background



This preview shows how the Yxy color 46.9687, 0.4207, 0.4270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

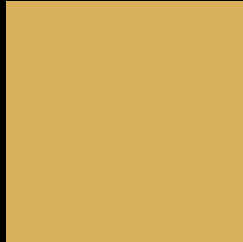
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9687, 0.4207, 0.4270 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 46.9687, 0.4207, 0.4270**

## Background



This preview shows how black text looks on a background with the Yxy color 46.9687, 0.4207, 0.4270.



This preview shows how white text looks on a background with the Yxy color 46.9687, 0.4207, 0.4270.

# 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

46.9687, 0.4207, 0.4270

### Protanopia

47.2317, 0.4012, 0.4375

### Deuteranopia

46.9097, 0.4286, 0.4201



## Tritanopia

46.7800, 0.3543, 0.3140

# Trichromacy



## Original Color

46.9687, 0.4207, 0.4270

## Protanomaly

47.1035, 0.4078, 0.4343

## Deuteranomaly

46.8224, 0.4251, 0.4224

## Tritanomaly

46.6361, 0.3803, 0.3567

# Monochromacy



## Original Color

46.9687, 0.4207, 0.4270

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.2848, 0.3524, 0.3696

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9687, 0.4207, 0.4270 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(217, 177, 92)` looks like.

```
.text, #text, p{  
    color:rgb(217, 177, 92)  
}
```

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(217, 177, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 177, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9687, 0.4207, 0.4270 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(217, 177, 92) }
```

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

```
.border{ border-color:rgb(217, 177, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 177, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 177, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 177, 92);  
box-shadow:4px 4px 4px 4px rgb(217, 177,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9687, 0.4207, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 177, 92) }
```

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

```
.background{ background-color: rgb(217,  
177, 92) }
```

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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