

# Converting Colors

$Yxy(46.7187, 0.4199, 0.4272)$

Have a look what the booklet for  
Yxy(46.7187, 0.4199, 0.4272)  
contains.

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# Color

**Yxy(46.8159, 0.4197, 0.4274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8B15C
RGB	216, 177, 92
RGB Percent	85%, 69%, 36%
CMY	0.1530, 0.3059, 0.6390
CMYK	0.00, 0.18, 0.57, 0.15
HSL	41°, 61%, 60%
HSV	41°, 57%, 85%
XYZ	45.9725, 46.8159, 16.7481
YIQ	178.9710, 50.5290, -18.1670

# Conversions

## Conversions Part 2

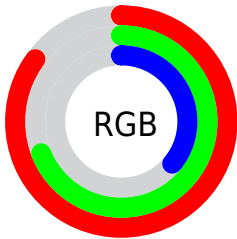
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	149, 216, 92
Decimal	14201180
CIE <sub>Lab</sub>	74.07, 4.24, 48.14
CIE <sub>LCh</sub>	74, 48.323, 84.961
Yxy	46.8159, 0.4197, 0.4274
Android (android.graphics.Color)	4292391260 (0xFFD8B15C)
YUV	178.9710, -42.8767, 32.4744
Hunter-Lab	68.4221, 0.1944, 33.3827

# Details

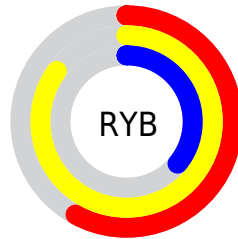
The Yxy color **46.8159, 0.4197, 0.4274** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.4753, 0.2139, 0.2014**, and the grayscale version is **45.2786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9868, 0.3869, 0.4171**, and **22.0964, 0.4443, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **43.8750, 0.4396, 0.4398**, and if you desaturate by 10%, it is **50.0025, 0.3991, 0.4121**.

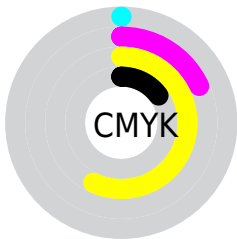
# Distribution



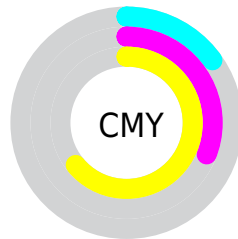
- Red (85%)
- Green (69%)
- Blue (36%)



- Red (58%)
- Yellow (85%)
- Blue (36%)



- Cyan (0%)
- Magenta (18%)
- Yellow (57%)
- Black (15%)




- Cyan (15%)
- Magenta (31%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8159, 0.4197, 0.4274 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 46.8159, 0.4197, 0.4274 by changing the saturation by 10% instead.




 46.8159, 0.4197,  
0.4274

 46.8159, 0.4197,  
0.4274


374.0792, 0.3683,  
0.3812


 32.8901, 0.4312,  
0.4373


 85.4388, 0.4019,  
0.4117

 22.0423, 0.4448,  
0.4488


 110.9046, 0.3949,  
0.4055

 13.8880, 0.4610,  
0.4619


 140.9860, 0.3889,  
0.4001

 8.0428, 0.4799,  
0.4762

 176.0673, 0.3837,  
0.3953

 4.1223, 0.5055,  
0.4945

216.5329, 0.3792,  
0.3912

 1.7422, 0.5115,  
0.4885

262.7671, 0.3751,

 0.4508, 0.5414,

0.3875

0.4586

315.1544, 0.3715,  
0.3842

0.0000, 0.0000,  
0.0000

46.8159, 0.4197,  
0.4274

46.8159, 0.4197,  
0.4274

43.8750, 0.4396,  
0.4398

50.0025, 0.3991,  
0.4121

41.1619, 0.4578,  
0.4483

53.4384, 0.3787,  
0.3949

38.6657, 0.4735,  
0.4519

57.1352, 0.3592,  
0.3770

36.3695, 0.4860,  
0.4506

61.1014, 0.3409,  
0.3590

35.7953, 0.4891,  
0.4499

65.3453, 0.3241,  
0.3414

■ 69.8746, 0.3089,  
0.3247

■ 74.6965, 0.2952,  
0.3091

■ 79.1681, 0.2885,  
0.3043

■ 83.0529, 0.2887,  
0.3115

# Harmonies

## Analogous

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



46.8159, 0.4463, 0.3817



46.8159, 0.4197, 0.4274



46.8159, 0.3656, 0.4522

# Triad

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



46.8159, 0.4197, 0.4274



46.8159, 0.2048, 0.3086



46.8159, 0.3136, 0.2466

# Complementary

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



46.8159, 0.4197, 0.4274



23.4753, 0.2139, 0.2014

# 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.



46.8159, 0.2517, 0.2271



46.8159, 0.4197, 0.4274



46.8159, 0.1945, 0.2556

# Square

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



46.8159, 0.4197, 0.4274



46.8159, 0.2419, 0.3787



46.8159, 0.2106, 0.2290



46.8159, 0.3823, 0.2833



# Rectangle

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



46.8159, 0.4197, 0.4274



46.8159, 0.3223, 0.4469



46.8159, 0.2106, 0.2290



46.8159, 0.2913, 0.2380

# Sweetspot

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



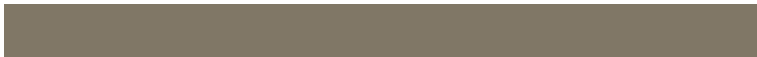
46.8181, 0.4197, 0.4274



89.1230, 0.3405, 0.3586



23.9062, 0.4294, 0.2831



18.8179, 0.3441, 0.3622



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.



46.8181, 0.4197, 0.4274



62.9763, 0.4439, 0.4421



61.2535, 0.3758, 0.4741



13.8304, 0.3274, 0.3449



21.3902, 0.4877, 0.4509



1.4354, 0.4731, 0.4626



# Inverse Universe

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



23.4753, 0.2139, 0.2014



26.0427, 0.1939, 0.1692



16.2485, 0.2187, 0.1527



12.6397, 0.2982, 0.3126



5.5484, 0.1623, 0.1042



0.4813, 0.1720, 0.1392



# Previews

## White Background



This preview shows how the Yxy color 46.8159, 0.4197, 0.4274 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

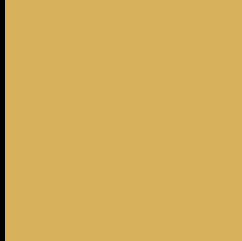
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8159, 0.4197, 0.4274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

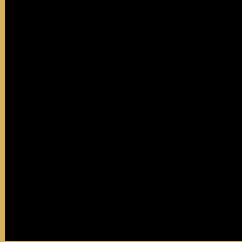
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.8159, 0.4197, 0.4274**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.8159, 0.4197, 0.4274.



This preview shows how white text looks on a background with the Yxy color 46.8159, 0.4197, 0.4274.

# 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

46.8159, 0.4197, 0.4274

### Protanopia

46.6816, 0.4009, 0.4368

### Deuteranopia

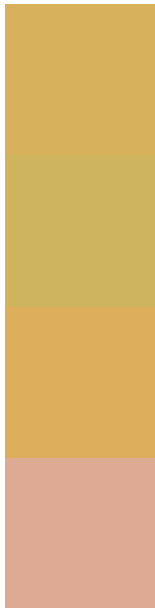
46.9097, 0.4286, 0.4201



## Tritanopia

46.7800, 0.3543, 0.3140

# Trichromacy



## Original Color

46.8159, 0.4197, 0.4274

## Protanomaly

46.5546, 0.4076, 0.4337

## Deuteranomaly

46.8224, 0.4251, 0.4224

## Tritanomaly

46.6361, 0.3803, 0.3567

# Monochromacy



## Original Color

46.8159, 0.4197, 0.4274

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.1538, 0.3515, 0.3697

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8159, 0.4197, 0.4274 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(216, 177, 92)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 177, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 177, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8159, 0.4197, 0.4274 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(216, 177, 92) }
```

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

```
.border{ border-color:rgb(216, 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(216, 177, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 177, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 177, 92);  
box-shadow:4px 4px 4px 4px rgb(216, 177,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8159, 0.4197, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 177, 92) }
```

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

```
.background{ background-color: rgb(216,  
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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