

# Converting Colors

Yxy(46.9441, 0.4146, 0.4204)

Have a look what the booklet for  
Yxy(46.9441, 0.4146, 0.4204)  
contains.

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# Color

**Yxy(46.9441, 0.4146, 0.4204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8B163
RGB	216, 177, 99
RGB Percent	85%, 69%, 39%
CMY	0.1529, 0.3059, 0.6118
CMYK	0.00, 0.18, 0.54, 0.15
HSL	40°, 60%, 62%
HSV	40°, 54%, 85%
XYZ	46.2964, 46.9441, 18.4248
YIQ	179.7690, 48.2820, -15.9900

# Conversions

## Conversions Part 2

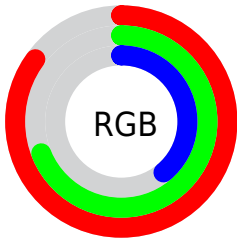
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 216, 99
Decimal	14201187
CIELab	74.15, 4.81, 44.82
CIELCh	74, 45.073, 83.874
Yxy	46.9441, 0.4146, 0.4204
Android (android.graphics.Color)	4292391267 (0xFFD8B163)
YUV	179.7690, -39.8191, 31.7746
Hunter-Lab	68.5158, 0.7107, 32.0172

# Details

The Yxy color **46.9441, 0.4146, 0.4204** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.7924, 0.2201, 0.2132**, and the grayscale version is **45.7114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2076, 0.3825, 0.4104**, and **22.1581, 0.4383, 0.4417** is the 20% darker color. If you saturate the color by 10%, you get **43.8163, 0.4355, 0.4336**, and if you desaturate by 10%, it is **50.3370, 0.3935, 0.4047**.

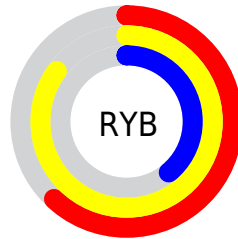
# Distribution



Red (85%)

Green (69%)

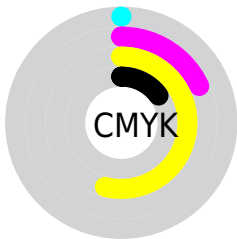
Blue (39%)



Red (62%)

Yellow (85%)

Blue (39%)

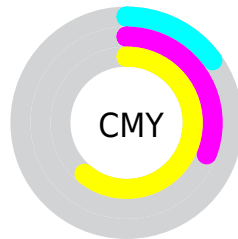


Cyan (0%)

Magenta (18%)

Yellow (54%)

Black (15%)



Cyan (15%)

Magenta (31%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9441, 0.4146, 0.4204 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 46.9441, 0.4146, 0.4204 by changing the saturation by 10% instead.





 46.9441, 0.4146,  
0.4204

 46.9441, 0.4146,  
0.4204


374.5914, 0.3653,  
0.3773

 32.9915, 0.4258,  
0.4298


 85.6302, 0.3974,  
0.4056

 22.1199, 0.4394,  
0.4409


 111.1324, 0.3907,  
0.3998

 13.9450, 0.4557,  
0.4538


 141.2533, 0.3849,  
0.3948

 8.0824, 0.4751,  
0.4679

 176.3772, 0.3800,  
0.3904

 4.1477, 0.5079,  
0.4921

216.8886, 0.3756,  
0.3865

 1.7566, 0.5146,  
0.4854

263.1718, 0.3718,

 0.4599, 0.5467,

0.3831

0.4533

315.6113, 0.3683,  
0.3800

0.0000, 0.0000,  
0.0000

46.9441, 0.4146,  
0.4204

46.9441, 0.4146,  
0.4204

43.8163, 0.4355,  
0.4336

50.3370, 0.3935,  
0.4047

40.9357, 0.4552,  
0.4431

53.9986, 0.3729,  
0.3877

38.2916, 0.4726,  
0.4479

57.9407, 0.3534,  
0.3700

35.8690, 0.4870,  
0.4477

62.1720, 0.3354,  
0.3526

34.5453, 0.4942,  
0.4458

66.7008, 0.3191,  
0.3358

■ 71.5352, 0.3043,  
0.3198

■ 76.6826, 0.2911,  
0.3050

■ 81.0196, 0.2886,  
0.3078

■ 85.2188, 0.2889,  
0.3154

# Harmonies

## Analogous

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



46.9441, 0.4377, 0.3776



46.9441, 0.4146, 0.4204



46.9441, 0.3649, 0.4435

# Triad

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



46.9441, 0.4146, 0.4204



46.9441, 0.2123, 0.3127



46.9441, 0.3115, 0.2505

# Complementary

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



46.9441, 0.4146, 0.4204



25.7924, 0.2201, 0.2132

# 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.



46.9441, 0.2539, 0.2328



46.9441, 0.4146, 0.4204



46.9441, 0.2014, 0.2621

# Square

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



46.9441, 0.4146, 0.4204



46.9441, 0.2484, 0.3775



46.9441, 0.2157, 0.2356



46.9441, 0.3755, 0.2848



# Rectangle

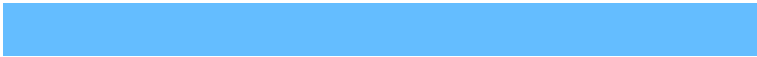
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.9441, 0.4146, 0.4204



46.9441, 0.3245, 0.4390



46.9441, 0.2157, 0.2356



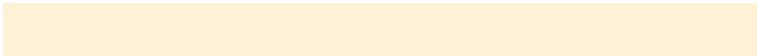
46.9441, 0.2907, 0.2425

# Sweetspot

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



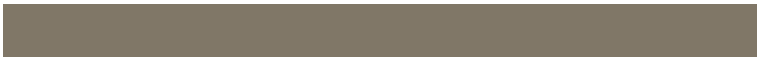
46.9463, 0.4146, 0.4204



89.2709, 0.3389, 0.3560



25.4169, 0.4138, 0.2804



18.8299, 0.3426, 0.3596



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.



46.9463, 0.4146, 0.4204



63.1719, 0.4384, 0.4352



62.0889, 0.3763, 0.4652



13.7898, 0.3275, 0.3445



20.6500, 0.4928, 0.4469



1.3948, 0.4769, 0.4595



# Inverse Universe

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



25.7924, 0.2201, 0.2132



29.4588, 0.2012, 0.1838



17.6332, 0.2217, 0.1620



12.6785, 0.2982, 0.3130



5.8573, 0.1636, 0.1089



0.5034, 0.1734, 0.1441



# Previews

## White Background



This preview shows how the Yxy color 46.9441, 0.4146, 0.4204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

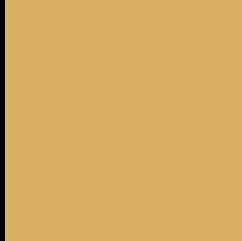
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9441, 0.4146, 0.4204 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 46.9441, 0.4146, 0.4204**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.9441, 0.4146, 0.4204.



This preview shows how white text looks on a background with the Yxy color 46.9441, 0.4146, 0.4204.

# 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

46.9441, 0.4146, 0.4204

### Protanopia

47.2241, 0.3952, 0.4303

### Deuteranopia

46.8802, 0.4224, 0.4137



## Tritanopia

46.9885, 0.3532, 0.3151

# Trichromacy



## Original Color

46.9441, 0.4146, 0.4204

## Protanomaly

47.0897, 0.4019, 0.4274

## Deuteranomaly

46.7957, 0.4189, 0.4158

## Tritanomaly

46.5758, 0.3766, 0.3531

# Monochromacy



## Original Color

46.9441, 0.4146, 0.4204

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.8120, 0.3487, 0.3655

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9441, 0.4146, 0.4204 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(216, 177, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 177, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9441, 0.4146, 0.4204 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, 99) }
```

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

```
.border{ border-color:rgb(216, 177, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 177, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 177, 99);  
box-shadow:4px 4px 4px 4px rgb(216, 177,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9441, 0.4146, 0.4204 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, 99) }
```

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

```
.background{ background-color: rgb(216,  
177, 99) }
```

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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