

# Converting Colors

$Y_{xy}(47.8488, 0.4076, 0.4179)$

Have a look what the booklet for  
Yxy(47.8488, 0.4076, 0.4179)  
contains.

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# Color

**Yxy(48.0891, 0.4079, 0.4187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7B468
RGB	215, 180, 104
RGB Percent	84%, 71%, 41%
CMY	0.1568, 0.2941, 0.5921
CMYK	0.00, 0.16, 0.52, 0.16
HSL	41°, 58%, 63%
HSV	41°, 52%, 84%
XYZ	46.8487, 48.0891, 19.9156
YIQ	181.8010, 45.2560, -16.2160

# Conversions

## Conversions Part 2

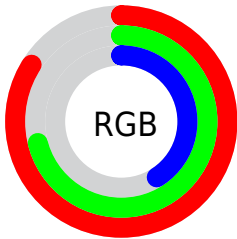
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 215, 104
Decimal	14136424
CIELab	74.88, 3.23, 43.16
CIELCh	75, 43.283, 85.715
Yxy	48.0891, 0.4079, 0.4187
Android (android.graphics.Color)	4292326504 (0xFFD7B468)
YUV	181.8010, -38.3559, 29.1155
Hunter-Lab	69.3463, -0.7658, 31.5149

# Details

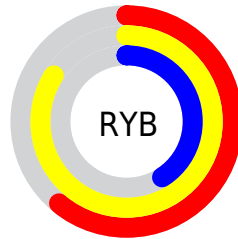
The Yxy color **48.0891, 0.4079, 0.4187** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.3289, 0.2240, 0.2167**, and the grayscale version is **46.8624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6852, 0.3772, 0.4083**, and **22.7142, 0.4319, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **45.0363, 0.4283, 0.4329**, and if you desaturate by 10%, it is **51.3919, 0.3873, 0.4022**.

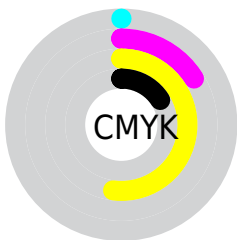
# Distribution



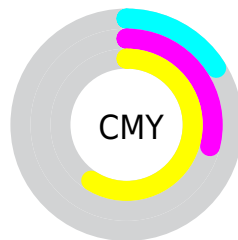
- Red (84%)
- Green (71%)
- Blue (41%)



- Red (61%)
- Yellow (84%)
- Blue (41%)



- Cyan (0%)
- Magenta (16%)
- Yellow (52%)
- Black (16%)




- Cyan (16%)
- Magenta (29%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0891, 0.4079, 0.4187 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 48.0891, 0.4079, 0.4187 by changing the saturation by 10% instead.





 48.0891, 0.4079,  
0.4187


 48.0891, 0.4079,  
0.4187


379.1452, 0.3620,  
0.3761


 33.8975, 0.4184,  
0.4282


 87.3371, 0.3918,  
0.4040


 22.8148, 0.4311,  
0.4394


 113.1621, 0.3856,  
0.3982

 14.4568, 0.4465,  
0.4528


 143.6338, 0.3802,  
0.3933

 8.4391, 0.4650,  
0.4682

 179.1365, 0.3756,  
0.3889

 4.3772, 0.5009,  
0.4991

220.0546, 0.3715,  
0.3851

 1.8867, 0.5053,  
0.4947

266.7725, 0.3680,

 0.5404, 0.5230,

0.3818

0.4770

319.6746, 0.3648,  
0.3788

0.0000, 0.0000,  
0.0000

48.0891, 0.4079,  
0.4187

48.0891, 0.4079,  
0.4187

45.0363, 0.4283,  
0.4329

51.3919, 0.3873,  
0.4022

42.2162, 0.4477,  
0.4438

54.9475, 0.3674,  
0.3845

39.6191, 0.4650,  
0.4503

58.7670, 0.3485,  
0.3665

37.2312, 0.4794,  
0.4517

62.8586, 0.3310,  
0.3487

35.3728, 0.4893,  
0.4497

67.2303, 0.3151,  
0.3317

■ 71.8893, 0.3008,  
0.3156

■ 76.8428, 0.2880,  
0.3006

■ 80.6675, 0.2880,  
0.3074

■ 84.6103, 0.2883,  
0.3145

# Harmonies

## Analogous

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



48.0891, 0.4316, 0.3788



48.0891, 0.4079, 0.4187



48.0891, 0.3595, 0.4383

# Triad

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



48.0891, 0.4079, 0.4187



48.0891, 0.2153, 0.3103



48.0891, 0.3155, 0.2554

# Complementary

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



48.0891, 0.4079, 0.4187



26.3289, 0.2240, 0.2167

# 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.



48.0891, 0.2595, 0.2373



48.0891, 0.4079, 0.4187



48.0891, 0.2062, 0.2631

# Square

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



48.0891, 0.4079, 0.4187



48.0891, 0.2487, 0.3714



48.0891, 0.2215, 0.2389



48.0891, 0.3761, 0.2892



# Rectangle

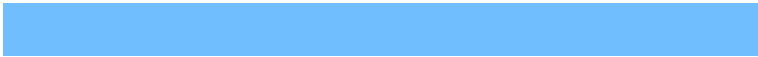
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0891, 0.4079, 0.4187



48.0891, 0.3207, 0.4320



48.0891, 0.2215, 0.2389



48.0891, 0.2954, 0.2474

# Sweetspot

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



48.0914, 0.4079, 0.4187



90.3175, 0.3370, 0.3549



26.2241, 0.4118, 0.2868



19.0566, 0.3407, 0.3587



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.



48.0914, 0.4079, 0.4187



65.8415, 0.4303, 0.4342



61.1666, 0.3709, 0.4609



13.8283, 0.3274, 0.3449



21.3515, 0.4880, 0.4507



1.4333, 0.4733, 0.4624



# Inverse Universe

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



26.3289, 0.2240, 0.2167



30.5548, 0.2051, 0.1878



19.1256, 0.2298, 0.1718



12.6417, 0.2982, 0.3126



5.5638, 0.1624, 0.1044



0.4824, 0.1721, 0.1395



# Previews

## White Background



This preview shows how the Yxy color 48.0891, 0.4079, 0.4187 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 48.0891, 0.4079, 0.4187 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 48.0891, 0.4079, 0.4187**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.0891, 0.4079, 0.4187.



This preview shows how white text looks on a background with the Yxy color 48.0891, 0.4079, 0.4187.

# 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

48.0891, 0.4079, 0.4187

### Protanopia

48.2951, 0.3913, 0.4265

### Deuteranopia

48.0781, 0.4190, 0.4100



## Tritanopia

48.1161, 0.3480, 0.3139

# Trichromacy



## Original Color

48.0891, 0.4079, 0.4187

## Protanomaly

48.1523, 0.3979, 0.4237

## Deuteranomaly

47.8364, 0.4146, 0.4124

## Tritanomaly

47.6987, 0.3709, 0.3519

# Monochromacy



## Original Color

48.0891, 0.4079, 0.4187

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.8502, 0.3465, 0.3640

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0891, 0.4079, 0.4187 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(215, 180, 104)` looks like.

```
.text, #text, p{  
    color:rgb(215, 180, 104)  
}
```

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(215, 180, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 180, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0891, 0.4079, 0.4187 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(215, 180, 104) }
```

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

```
.border{ border-color:rgb(215, 180, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 180, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 180, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 180, 104);  
box-shadow:4px 4px 4px 4px rgb(215, 180,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0891, 0.4079, 0.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 180, 104) }
```

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

```
.background{ background-color: rgb(215,  
180, 104) }
```

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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