

# Converting Colors

$Yxy(48.1706, 0.3779, 0.3856)$

Have a look what the booklet for  
Yxy(48.1706, 0.3779, 0.3856)  
contains.

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# Color

**Yxy(48.0654, 0.3788, 0.3857)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2B486
RGB	210, 180, 134
RGB Percent	82%, 71%, 53%
CMY	0.1764, 0.2941, 0.4745
CMYK	0.00, 0.14, 0.36, 0.18
HSL	36°, 46%, 67%
HSV	36°, 36%, 82%
XYZ	47.2055, 48.0654, 29.3477
YIQ	183.7260, 32.6460, -7.9460

# Conversions

## Conversions Part 2

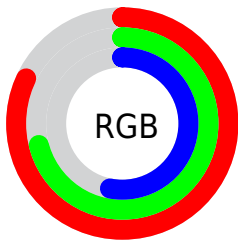
Format	Color
R <sub>Y</sub> B	184, 210, 134
Decimal	13808774
CIE Lab	74.87, 4.30, 27.47
CIE LCh	75, 27.808, 81.107
Yxy	48.0654, 0.3788, 0.3857
Android (android.graphics.Color)	4291998854 (0xFFD2B486)
YUV	183.7260, -24.5149, 23.0423
Hunter-Lab	69.3292, 0.2126, 23.4325

# Details

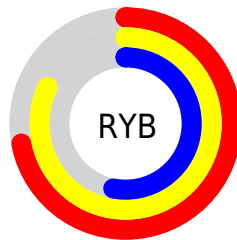
The Yxy color **48.0654, 0.3788, 0.3857** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.2819, 0.2533, 0.2645**, and the grayscale version is **47.9001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8817, 0.3571, 0.3774**, and **22.6889, 0.3965, 0.3996** is the 20% darker color. If you saturate the color by 10%, you get **44.2897, 0.4009, 0.4012**, and if you desaturate by 10%, it is **52.1622, 0.3582, 0.3696**.

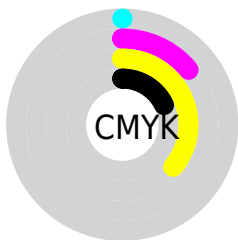
# Distribution



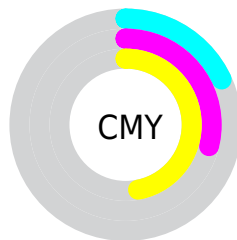
- Red (82%)
- Green (71%)
- Blue (53%)



- Red (72%)
- Yellow (82%)
- Blue (53%)



- Cyan (0%)
- Magenta (14%)
- Yellow (36%)
- Black (18%)




- Cyan (18%)
- Magenta (29%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0654, 0.3788, 0.3857 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 48.0654, 0.3788, 0.3857 by changing the saturation by 10% instead.




 48.0654, 0.3788,  
0.3857


 48.0654, 0.3788,  
0.3857


379.0513, 0.3461,  
0.3582

 33.8787, 0.3867,  
0.3922


 87.3018, 0.3671,  
0.3759

 22.8004, 0.3967,  
0.4003


 113.1202, 0.3626,  
0.3722

 14.4462, 0.4097,  
0.4105


 143.5847, 0.3588,  
0.3690

 8.4317, 0.4269,  
0.4237

179.0796, 0.3556,  
0.3663

 4.3724, 0.4503,  
0.4407

219.9893, 0.3527,  
0.3638

 1.8840, 0.5111,  
0.4889

266.6982, 0.3502,

 0.5387, 0.5339,

0.3617

0.4661

319.5908, 0.3481,  
0.3599

0.0000, 0.0000,  
0.0000

48.0654, 0.3788,  
0.3857

48.0654, 0.3788,  
0.3857

44.2897, 0.4009,  
0.4012

52.1622, 0.3582,  
0.3696

40.8182, 0.4240,  
0.4152

56.5833, 0.3393,  
0.3536

37.6417, 0.4471,  
0.4265

61.3400, 0.3223,  
0.3382

34.7481, 0.4692,  
0.4340

66.4411, 0.3072,  
0.3235

32.1233, 0.4890,  
0.4367

71.8949, 0.2937,  
0.3099

■ 29.7510, 0.5054,  
0.4341

■ 77.3820, 0.2847,  
0.3023

■ 28.9033, 0.5112,  
0.4323

■ 82.1016, 0.2851,  
0.3112

■ 87.0437, 0.2856,  
0.3200

■ 92.2112, 0.2860,  
0.3285

# Harmonies

## Analogous

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



48.0654, 0.3896, 0.3597



48.0654, 0.3788, 0.3857



48.0654, 0.3501, 0.3981

# Triad

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



48.0654, 0.3788, 0.3857



48.0654, 0.2508, 0.3241



48.0654, 0.3092, 0.2769

# Complementary

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



48.0654, 0.3788, 0.3857



36.2819, 0.2533, 0.2645

# 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.



48.0654, 0.2734, 0.2667



48.0654, 0.3788, 0.3857



48.0654, 0.2414, 0.2912

# Square

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



48.0654, 0.3788, 0.3857



48.0654, 0.2763, 0.3616



48.0654, 0.2494, 0.2712



48.0654, 0.3482, 0.2989



# Rectangle

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



48.0654, 0.3788, 0.3857



48.0654, 0.3253, 0.3951



48.0654, 0.2494, 0.2712



48.0654, 0.2964, 0.2720

# Sweetspot

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



48.0676, 0.3788, 0.3857



91.4588, 0.3304, 0.3457



33.4520, 0.3643, 0.2912



19.3604, 0.3328, 0.3478



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.



48.0676, 0.3788, 0.3857



70.2532, 0.3948, 0.3971



60.4340, 0.3605, 0.4204



12.9814, 0.3276, 0.3430



17.8296, 0.5095, 0.4336



1.1494, 0.4887, 0.4502

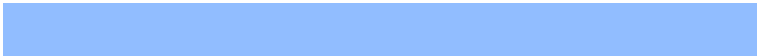


# Inverse Universe

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



36.2819, 0.2533, 0.2645



49.5155, 0.2407, 0.2487



27.4238, 0.2534, 0.2224



12.1726, 0.2982, 0.3145



6.7885, 0.1683, 0.1260



0.5326, 0.1786, 0.1630



# Previews

## White Background



This preview shows how the Yxy color 48.0654, 0.3788, 0.3857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

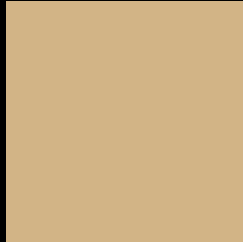
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0654, 0.3788, 0.3857 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 48.0654, 0.3788, 0.3857**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0654, 0.3788, 0.3857.



This preview shows how white text looks on a background with the Yxy color 48.0654, 0.3788, 0.3857.

# 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

48.0654, 0.3788, 0.3857

### Protanopia

48.0643, 0.3644, 0.3903

### Deuteranopia

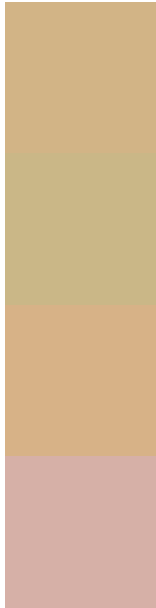
48.0990, 0.3867, 0.3795



## Tritanopia

48.0312, 0.3404, 0.3137

# Trichromacy



## Original Color

48.0654, 0.3788, 0.3857

## Protanomaly

48.1728, 0.3693, 0.3896

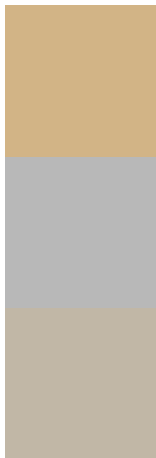
## Deuteranomaly

48.0371, 0.3835, 0.3812

## Tritanomaly

48.1368, 0.3548, 0.3400

# Monochromacy



## Original Color

48.0654, 0.3788, 0.3857

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.9576, 0.3351, 0.3509

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0654, 0.3788, 0.3857 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(210, 180, 134)` looks like.

```
.text, #text, p{  
    color:rgb(210, 180, 134)  
}
```

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(210, 180, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 180, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0654, 0.3788, 0.3857 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(210, 180, 134) }
```

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

```
.border{ border-color:rgb(210, 180, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 180, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 180, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 180, 134);  
box-shadow:4px 4px 4px 4px rgb(210, 180,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0654, 0.3788, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 180, 134) }
```

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

```
.background{ background-color: rgb(210,  
180, 134) }
```

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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