

# Converting Colors

$Yxy(46.5348, 0.3937, 0.3666)$

Have a look what the booklet for  
Yxy(46.5348, 0.3937, 0.3666)  
contains.

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# Color

**Yxy(46.5920, 0.3938, 0.3668)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1AA8A
RGB	225, 170, 138
RGB Percent	88%, 67%, 54%
CMY	0.1175, 0.3334, 0.4587
CMYK	0.00, 0.24, 0.39, 0.12
HSL	22°, 59%, 71%
HSV	22°, 39%, 88%
XYZ	50.0216, 46.5920, 30.4093
YIQ	182.7970, 43.0520, 1.7080

# Conversions

## Conversions Part 2

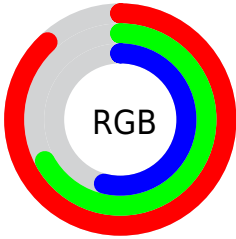
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 189, 138
Decimal	14789258
CIE Lab	73.93, 16.06, 24.32
CIE LCh	74, 29.145, 56.550
Yxy	46.5920, 0.3938, 0.3668
Android (android.graphics.Color)	4292979338 (0xFFE1AA8A)
YUV	182.7970, -22.0849, 37.0120
Hunter-Lab	68.2583, 11.3577, 21.3670

# Details

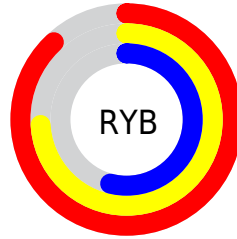
The Yxy color **46.5920, 0.3938, 0.3668** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **49.0096, 0.2530, 0.2873**, and the grayscale version is **47.3453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9162, 0.3570, 0.3627**, and **21.9863, 0.4164, 0.3754** is the 20% darker color. If you saturate the color by 10%, you get **40.9575, 0.4229, 0.3763**, and if you desaturate by 10%, it is **52.9438, 0.3681, 0.3567**.

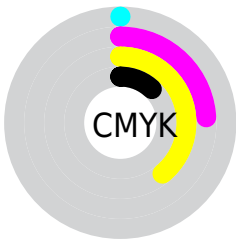
# Distribution



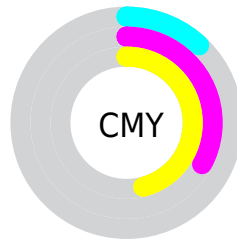
- Red (88%)
- Green (67%)
- Blue (54%)



- Red (88%)
- Yellow (74%)
- Blue (54%)



- Cyan (0%)
- Magenta (24%)
- Yellow (39%)
- Black (12%)




- Cyan (12%)
- Magenta (33%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5920, 0.3938, 0.3668 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 46.5920, 0.3938, 0.3668 by changing the saturation by 10% instead.





 46.5920, 0.3938,  
0.3668


 46.5920, 0.3938,  
0.3668


373.1836, 0.3530,  
0.3493


 32.7132, 0.4039,  
0.3707


 85.1043, 0.3790,  
0.3608

 21.9069, 0.4168,  
0.3753


 110.5066, 0.3734,  
0.3584

 13.7885, 0.4338,  
0.3808


 140.5189, 0.3687,  
0.3564

 7.9737, 0.4569,  
0.3873

175.5255, 0.3647,  
0.3546

 4.0781, 0.4897,  
0.3942

215.9109, 0.3612,  
0.3530

 1.7174, 0.5748,  
0.4252

262.0595, 0.3581,

 0.4349, 0.6494,

0.3516

0.3506

314.3556, 0.3554,  
0.3504

0.0000, 0.0000,  
0.0000

46.5920, 0.3938,  
0.3668

46.5920, 0.3938,  
0.3668

40.9575, 0.4229,  
0.3763

52.9438, 0.3681,  
0.3567

36.0071, 0.4550,  
0.3842

60.0316, 0.3459,  
0.3466

31.7142, 0.4889,  
0.3895

67.8813, 0.3269,  
0.3369

28.0479, 0.5224,  
0.3907

76.5156, 0.3107,  
0.3278

24.9740, 0.5529,  
0.3869

85.9564, 0.2969,  
0.3194

■ 22.4505, 0.5778,  
0.3782

■ 94.7523, 0.2946,  
0.3289

■ 22.1505, 0.5809,  
0.3770

# Harmonies

## Analogous

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



46.5920, 0.3861, 0.3342



46.5920, 0.3938, 0.3668



46.5920, 0.3782, 0.3926

# Triad

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



46.5920, 0.3938, 0.3668



46.5920, 0.2682, 0.3566



46.5920, 0.2773, 0.2642

# Complementary

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



46.5920, 0.3938, 0.3668



49.0096, 0.2530, 0.2873

# 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.



46.5920, 0.2493, 0.2658



46.5920, 0.3938, 0.3668



46.5920, 0.2442, 0.3166

# Square

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



46.5920, 0.3938, 0.3668



46.5920, 0.3049, 0.3896



46.5920, 0.2376, 0.2839



46.5920, 0.3165, 0.2774



# Rectangle

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



46.5920, 0.3938, 0.3668



46.5920, 0.3576, 0.4015



46.5920, 0.2376, 0.2839



46.5920, 0.2664, 0.2630

# Sweetspot

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



46.5942, 0.3938, 0.3668



86.4493, 0.3331, 0.3402



38.0515, 0.3480, 0.2659



18.2076, 0.3355, 0.3415



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.



46.5942, 0.3938, 0.3668



56.0527, 0.4158, 0.3742



65.6525, 0.3750, 0.4135



14.5211, 0.3283, 0.3377



12.9648, 0.5781, 0.3792



1.0656, 0.5488, 0.4024



# Inverse Universe

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



49.0096, 0.2530, 0.2873



59.6348, 0.2418, 0.2774



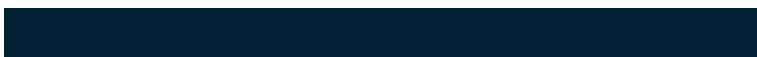
32.5356, 0.2440, 0.2273



14.6813, 0.2981, 0.3202



14.5671, 0.1901, 0.2044



1.1788, 0.1961, 0.2258



# Previews

## White Background



This preview shows how the Yxy color 46.5920, 0.3938, 0.3668 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 46.5920, 0.3938, 0.3668 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 46.5920, 0.3938, 0.3668**

## Background



This preview shows how black text looks on a background with the Yxy color 46.5920, 0.3938, 0.3668.



This preview shows how white text looks on a background with the Yxy color 46.5920, 0.3938, 0.3668.

# 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

46.5920, 0.3938, 0.3668

### Protanopia

46.9084, 0.3555, 0.3796

### Deuteranopia

46.7622, 0.3821, 0.3755



## Tritanopia

46.7426, 0.3623, 0.3153

# Trichromacy



**Original Color**

46.5920, 0.3938, 0.3668

**Protanomaly**

46.7430, 0.3689, 0.3756

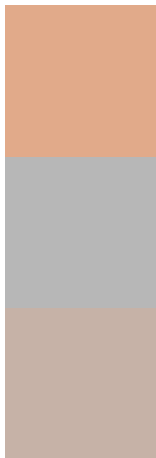
**Deuteranomaly**

46.5987, 0.3867, 0.3725

**Tritanomaly**

46.7758, 0.3742, 0.3338

# Monochromacy



**Original Color**

46.5920, 0.3938, 0.3668

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

46.6366, 0.3397, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.5920, 0.3938, 0.3668 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(225, 170, 138)` looks like.

```
.text, #text, p{  
    color:rgb(225, 170, 138)  
}
```

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(225, 170, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 170, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 46.5920, 0.3938, 0.3668 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(225, 170, 138) }
```

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

```
.border{ border-color:rgb(225, 170, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 170, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 170, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 170, 138);  
box-shadow:4px 4px 4px 4px rgb(225, 170,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.5920, 0.3938, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 170, 138) }
```

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

```
.background{ background-color: rgb(225,  
170, 138) }
```

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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