

# Converting Colors

$Y_{xy}(46.9236, 0.4107, 0.3634)$

Have a look what the booklet for  
Yxy(46.9236, 0.4107, 0.3634)  
contains.

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# Color

**Yxy(46.8367, 0.4113, 0.3628)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EEA587
RGB	238, 165, 135
RGB Percent	93%, 65%, 53%
CMY	0.0665, 0.3530, 0.4706
CMYK	0.00, 0.31, 0.43, 0.07
HSL	17°, 75%, 73%
HSV	17°, 43%, 93%
XYZ	53.0979, 46.8367, 29.1632
YIQ	183.4070, 53.1380, 6.1460

# Conversions

## Conversions Part 2

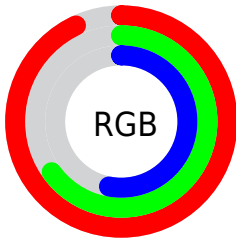
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 177, 135
Decimal	15639943
CIE Lab	74.09, 23.50, 26.40
CIE LCh	74, 35.342, 48.326
Yxy	46.8367, 0.4113, 0.3628
Android (android.graphics.Color)	4293830023 (0xFFEEA587)
YUV	183.4070, -23.8647, 47.8781
Hunter-Lab	68.4373, 18.7260, 22.6409

# Details

The Yxy color **46.8367, 0.4113, 0.3628** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **56.4635, 0.2477, 0.2914**, and the grayscale version is **47.7026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0772, 0.3611, 0.3618**, and **22.1694, 0.4393, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **40.5507, 0.4446, 0.3698**, and if you desaturate by 10%, it is **54.0805, 0.3820, 0.3549**.

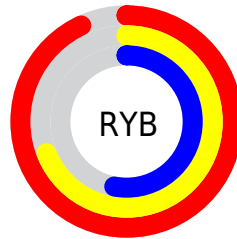
# Distribution



Red (93%)

Green (65%)

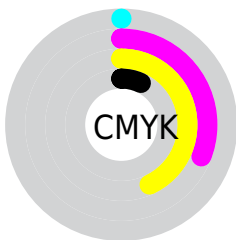
Blue (53%)



Red (93%)

Yellow (69%)

Blue (53%)

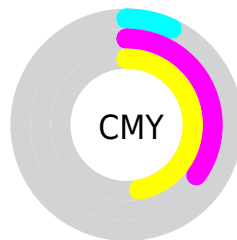


Cyan (0%)

Magenta (31%)

Yellow (43%)

Black (7%)



Cyan (7%)

Magenta (35%)


Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8367, 0.4113, 0.3628 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 46.8367, 0.4113, 0.3628 by changing the saturation by 10% instead.





 46.8367, 0.4113,  
0.3628


 46.8367, 0.4113,  
0.3628

374.1623, 0.3617,  
0.3480


 32.9066, 0.4236,  
0.3657


 85.4698, 0.3933,  
0.3580

 22.0549, 0.4391,  
0.3690


 110.9416, 0.3866,  
0.3560

 13.8972, 0.4595,  
0.3726


 141.0294, 0.3808,  
0.3542

 8.0492, 0.4871,  
0.3759

176.1176, 0.3759,  
0.3527

 4.1265, 0.5257,  
0.3773

216.5906, 0.3717,  
0.3513

 1.7446, 0.6104,  
0.3896

262.8328, 0.3679,

 0.4523, 0.6916,

0.3501

0.3084

315.2286, 0.3647,  
0.3490

0.0000, 0.0000,  
0.0000

46.8367, 0.4113,  
0.3628

46.8367, 0.4113,  
0.3628

40.5507, 0.4446,  
0.3698

54.0805, 0.3820,  
0.3549

35.1742, 0.4812,  
0.3748

62.3139, 0.3570,  
0.3468

30.6651, 0.5190,  
0.3768

71.5757, 0.3358,  
0.3389

26.9744, 0.5549,  
0.3745

81.9004, 0.3179,  
0.3314

24.0477, 0.5849,  
0.3675

93.3208, 0.3030,  
0.3244

■ 22.4741, 0.6010,  
0.3610

■ 96.9239, 0.3024,  
0.3290

# Harmonies

## Analogous

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



46.8367, 0.3944, 0.3236



46.8367, 0.4113, 0.3628



46.8367, 0.3992, 0.3976

# Triad

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



46.8367, 0.4113, 0.3628



46.8367, 0.2697, 0.3754



46.8367, 0.2591, 0.2505

# Complementary

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



46.8367, 0.4113, 0.3628



56.4635, 0.2477, 0.2914

# 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.



46.8367, 0.2311, 0.2571



46.8367, 0.4113, 0.3628



46.8367, 0.2365, 0.3263

# Square

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



46.8367, 0.4113, 0.3628



46.8367, 0.3160, 0.4107



46.8367, 0.2232, 0.2831



46.8367, 0.3031, 0.2618



# Rectangle

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



46.8367, 0.4113, 0.3628



46.8367, 0.3774, 0.4132



46.8367, 0.2232, 0.2831



46.8367, 0.2477, 0.2506

# Sweetspot

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



46.8390, 0.4113, 0.3628



83.9566, 0.3353, 0.3387



40.1078, 0.3452, 0.2498



17.4327, 0.3397, 0.3404



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.



46.8390, 0.4113, 0.3628



48.1614, 0.4408, 0.3691



68.8985, 0.3866, 0.4154



16.5082, 0.3286, 0.3359



12.7268, 0.5983, 0.3632



1.2240, 0.5725, 0.3836



# Inverse Universe

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



56.4635, 0.2477, 0.2914



60.7088, 0.2361, 0.2822



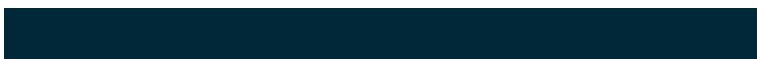
35.5506, 0.2363, 0.2237



17.1065, 0.2981, 0.3220



19.4538, 0.1976, 0.2314



1.7889, 0.2016, 0.2458



# Previews

## White Background



This preview shows how the Yxy color 46.8367, 0.4113, 0.3628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

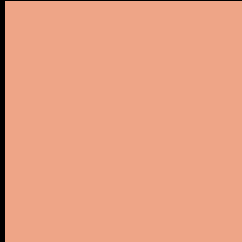
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8367, 0.4113, 0.3628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

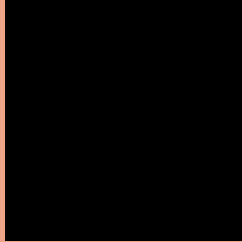
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8367, 0.4113, 0.3628**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8367, 0.4113, 0.3628.



This preview shows how white text looks on a background with the Yxy color 46.8367, 0.4113, 0.3628.

# 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

46.8367, 0.4113, 0.3628

### Protanopia

46.9084, 0.3555, 0.3796

### Deuteranopia

46.9523, 0.3875, 0.3800



## Tritanopia

46.8209, 0.3798, 0.3159

# Trichromacy



**Original Color**

46.8367, 0.4113, 0.3628

**Protanomaly**

46.6458, 0.3752, 0.3737

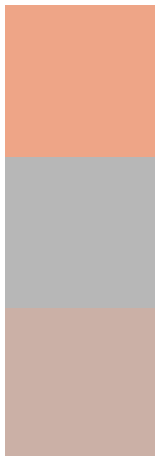
**Deuteranomaly**

46.6943, 0.3960, 0.3728

**Tritanomaly**

46.8691, 0.3911, 0.3326

# Monochromacy



**Original Color**

46.8367, 0.4113, 0.3628

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

46.5004, 0.3456, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8367, 0.4113, 0.3628 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(238, 165, 135)` looks like.

```
.text, #text, p{  
    color:rgb(238, 165, 135)  
}
```

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(238, 165, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 165, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8367, 0.4113, 0.3628 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(238, 165, 135) }
```

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

```
.border{ border-color:rgb(238, 165, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 165, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 165, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 165, 135);  
box-shadow:4px 4px 4px 4px rgb(238, 165,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8367, 0.4113, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 165, 135) }
```

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

```
.background{ background-color: rgb(238,  
165, 135) }
```

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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