

# Converting Colors

$Y_{xy}(46.7560, 0.4225, 0.3894)$

Have a look what the booklet for  
Yxy(46.7560, 0.4225, 0.3894)  
contains.

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# Color

**Yxy(46.9374, 0.4226, 0.3898)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9A973
RGB	233, 169, 115
RGB Percent	91%, 66%, 45%
CMY	0.0863, 0.3372, 0.5491
CMYK	0.00, 0.27, 0.51, 0.09
HSL	27°, 73%, 68%
HSV	27°, 51%, 91%
XYZ	50.8870, 46.9374, 22.5897
YIQ	181.9800, 55.4780, -3.2260

# Conversions

## Conversions Part 2

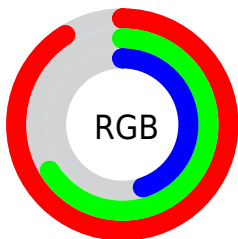
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 215, 115
Decimal	15313267
CIE <sub>Lab</sub>	74.15, 17.42, 37.03
CIE <sub>LCh</sub>	74, 40.926, 64.803
Yxy	46.9374, 0.4226, 0.3898
Android (android.graphics.Color)	4293503347 (0xFFE9A973)
YUV	181.9800, -33.0211, 44.7445
Hunter-Lab	68.5109, 12.6882, 28.4083

# Details

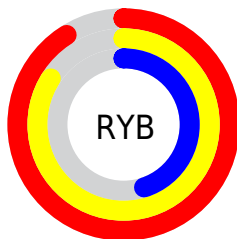
The Yxy color **46.9374, 0.4226, 0.3898** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.7574, 0.2327, 0.2565**, and the grayscale version is **46.9286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3985, 0.3741, 0.3862**, and **22.1146, 0.4507, 0.4019** is the 20% darker color. If you saturate the color by 10%, you get **41.9932, 0.4516, 0.3995**, and if you desaturate by 10%, it is **52.4761, 0.3955, 0.3783**.

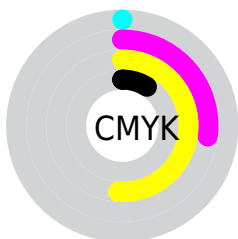
# Distribution



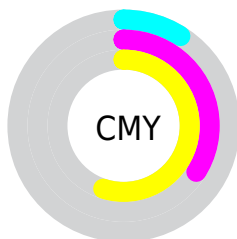
- Red (91%)
- Green (66%)
- Blue (45%)



- Red (91%)
- Yellow (84%)
- Blue (45%)



- Cyan (0%)
- Magenta (27%)
- Yellow (51%)
- Black (9%)



- Cyan (9%)
- Magenta (34%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9374, 0.4226, 0.3898 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 46.9374, 0.4226, 0.3898 by changing the saturation by 10% instead.




 46.9374, 0.4226,  
0.3898


 46.9374, 0.4226,  
0.3898


374.5646, 0.3681,  
0.3623

 32.9862, 0.4357,  
0.3955


 85.6202, 0.4031,  
0.3807

 22.1159, 0.4519,  
0.4019


 111.1205, 0.3957,  
0.3770

 13.9421, 0.4726,  
0.4091


 141.2393, 0.3894,  
0.3737

 8.0804, 0.4991,  
0.4162

176.3610, 0.3839,  
0.3709

 4.1464, 0.5405,  
0.4264

216.8700, 0.3792,  
0.3684

 1.7558, 0.5809,  
0.4191

263.1507, 0.3750,

 0.4594, 0.6524,

0.3661

0.3476

315.5874, 0.3714,  
0.3641

0.0000, 0.0000,  
0.0000

46.9374, 0.4226,  
0.3898

46.9374, 0.4226,  
0.3898

41.9932, 0.4516,  
0.3995

52.4761, 0.3955,  
0.3783

37.6132, 0.4813,  
0.4060

58.6239, 0.3710,  
0.3659

33.7746, 0.5100,  
0.4081

65.4036, 0.3492,  
0.3534

30.4488, 0.5354,  
0.4047

72.8343, 0.3302,  
0.3412

27.7693, 0.5554,  
0.3972

80.9344, 0.3137,  
0.3297

■ 89.7215, 0.2994,  
0.3190

■ 96.0646, 0.2993,  
0.3290

# Harmonies

## Analogous

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



46.9374, 0.4222, 0.3464



46.9374, 0.4226, 0.3898



46.9374, 0.3918, 0.4233

# Triad

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



46.9374, 0.4226, 0.3898



46.9374, 0.2396, 0.3516



46.9374, 0.2768, 0.2444

# Complementary

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



46.9374, 0.4226, 0.3898



41.7574, 0.2327, 0.2565

# 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.



46.9374, 0.2342, 0.2400



46.9374, 0.4226, 0.3898



46.9374, 0.2143, 0.2957

# Square

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



46.9374, 0.4226, 0.3898



46.9374, 0.2854, 0.4055



46.9374, 0.2126, 0.2567



46.9374, 0.3334, 0.2669



# Rectangle

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



46.9374, 0.4226, 0.3898



46.9374, 0.3593, 0.4329



46.9374, 0.2126, 0.2567



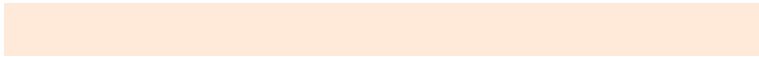
46.9374, 0.2605, 0.2408

# Sweetspot

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



46.9397, 0.4226, 0.3898



85.2502, 0.3383, 0.3465



32.8714, 0.3754, 0.2573



17.8354, 0.3424, 0.3491



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.



46.9397, 0.4226, 0.3898



51.1650, 0.4535, 0.4000



73.5569, 0.3896, 0.4464



16.1901, 0.3281, 0.3398



15.9976, 0.5528, 0.3992



1.4465, 0.5297, 0.4176



# Inverse Universe

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



41.7574, 0.2327, 0.2565



44.0941, 0.2176, 0.2378



23.1717, 0.2169, 0.1758



15.9023, 0.2981, 0.3179



12.1059, 0.1812, 0.1723



1.1427, 0.1877, 0.1958



# Previews

## White Background



This preview shows how the Yxy color 46.9374, 0.4226, 0.3898 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 46.9374, 0.4226, 0.3898 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

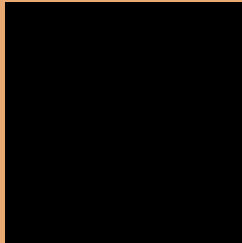
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9374, 0.4226, 0.3898**

## Background



This preview shows how black text looks on a background with the Yxy color 46.9374, 0.4226, 0.3898.



This preview shows how white text looks on a background with the Yxy color 46.9374, 0.4226, 0.3898.

# 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

46.9374, 0.4226, 0.3898

### Protanopia

47.2288, 0.3778, 0.4092

### Deuteranopia

46.8592, 0.4092, 0.3995



## Tritanopia

47.0738, 0.3744, 0.3158

# Trichromacy



## Original Color

46.9374, 0.4226, 0.3898

## Protanomaly

46.9977, 0.3942, 0.4023

## Deuteranomaly

46.7275, 0.4141, 0.3962

## Tritanomaly

47.0430, 0.3920, 0.3428

# Monochromacy



## Original Color

46.9374, 0.4226, 0.3898

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.3304, 0.3505, 0.3532

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9374, 0.4226, 0.3898 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(233, 169, 115)` looks like.

```
.text, #text, p{  
    color:rgb(233, 169, 115)  
}
```

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(233, 169, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 169, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9374, 0.4226, 0.3898 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(233, 169, 115) }
```

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

```
.border{ border-color:rgb(233, 169, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 169, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 169, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 169, 115);  
box-shadow:4px 4px 4px 4px rgb(233, 169,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9374, 0.4226, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 169, 115) }
```

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

```
.background{ background-color: rgb(233,  
169, 115) }
```

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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