

# Converting Colors

$Y_{xy}(46.3526, 0.4204, 0.3903)$

Have a look what the booklet for  
Yxy(46.3526, 0.4204, 0.3903)  
contains.

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# Color

**Yxy(46.4367, 0.4198, 0.3905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6A973
RGB	230, 169, 115
RGB Percent	90%, 66%, 45%
CMY	0.0980, 0.3373, 0.5489
CMYK	0.00, 0.27, 0.50, 0.10
HSL	28°, 70%, 68%
HSV	28°, 50%, 90%
XYZ	49.9209, 46.4367, 22.5584
YIQ	181.0830, 53.6900, -3.8620

# Conversions

## Conversions Part 2

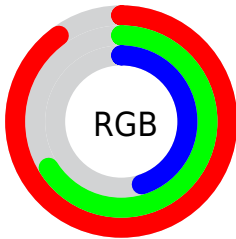
Format	Color
<a href="#">RYB</a>	<a href="#">230, 217, 115</a>
Decimal	<a href="#">15116659</a>
CIELab	<a href="#">73.83, 16.22, 36.53</a>
CIELCh	<a href="#">74, 39.973, 66.053</a>
Yxy	<a href="#">46.4367, 0.4198, 0.3905</a>
Android (android.graphics.Color)	<a href="#">4293306739</a> ( <a href="#">0xFFE6A973</a> )
YUV	<a href="#">181.0830, -32.5789, 42.9002</a>
Hunter-Lab	<a href="#">68.1445, 11.5118, 28.0739</a>

# Details

The Yxy color **46.4367, 0.4198, 0.3905** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.4290, 0.2334, 0.2558**, and the grayscale version is **46.4161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3985, 0.3741, 0.3862**, and **21.8866, 0.4483, 0.4028** is the 20% darker color. If you saturate the color by 10%, you get **41.6422, 0.4482, 0.4006**, and if you desaturate by 10%, it is **51.7918, 0.3932, 0.3786**.

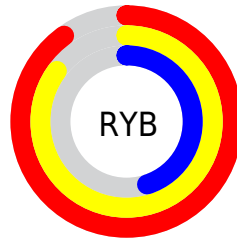
# Distribution



Red (90%)

Green (66%)

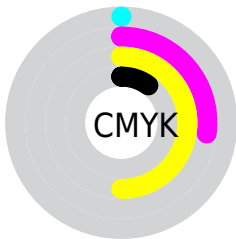
Blue (45%)



Red (90%)

Yellow (85%)

Blue (45%)

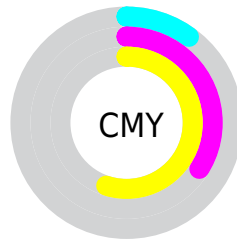


Cyan (0%)

Magenta (27%)

Yellow (50%)

Black (10%)



Cyan (10%)

Magenta (34%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4367, 0.4198, 0.3905 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 46.4367, 0.4198, 0.3905 by changing the saturation by 10% instead.




 46.4367, 0.4198,  
0.3905


 46.4367, 0.4198,  
0.3905


372.5616, 0.3666,  
0.3625


 32.5906, 0.4326,  
0.3964


 84.8722, 0.4008,  
0.3811

 21.8130, 0.4485,  
0.4031


 110.2303, 0.3935,  
0.3773

 13.7195, 0.4688,  
0.4107


 140.1946, 0.3873,  
0.3740

 7.9259, 0.4949,  
0.4185

175.1494, 0.3820,  
0.3711

 4.0475, 0.5361,  
0.4301

215.4791, 0.3774,  
0.3686

 1.7002, 0.5758,  
0.4242

261.5681, 0.3734,

 0.4238, 0.6534,

0.3663

0.3466

313.8008, 0.3698,  
0.3643

0.0000, 0.0000,  
0.0000

46.4367, 0.4198,  
0.3905

46.4367, 0.4198,  
0.3905

41.6422, 0.4482,  
0.4006

51.7918, 0.3932,  
0.3786

37.3800, 0.4774,  
0.4076

57.7208, 0.3691,  
0.3659

33.6289, 0.5056,  
0.4103

64.2449, 0.3478,  
0.3531

30.3625, 0.5307,  
0.4076

71.3819, 0.3290,  
0.3407

27.5442, 0.5518,  
0.4000

79.1489, 0.3127,  
0.3290

■ 27.5425, 0.5519,  
0.4000

■ 87.5622, 0.2986,  
0.3181

■ 95.2075, 0.2976,  
0.3284

■ 95.5660, 0.2976,  
0.3290

# Harmonies

## Analogous

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



46.4367, 0.4208, 0.3481



46.4367, 0.4198, 0.3905



46.4367, 0.3886, 0.4225

# Triad

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



46.4367, 0.4198, 0.3905



46.4367, 0.2395, 0.3488



46.4367, 0.2796, 0.2465

# Complementary

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



46.4367, 0.4198, 0.3905



40.4290, 0.2334, 0.2558

# 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.



46.4367, 0.2370, 0.2414



46.4367, 0.4198, 0.3905



46.4367, 0.2155, 0.2945

# Square

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



46.4367, 0.4198, 0.3905



46.4367, 0.2839, 0.4021



46.4367, 0.2148, 0.2570



46.4367, 0.3354, 0.2693



# Rectangle

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



46.4367, 0.4198, 0.3905



46.4367, 0.3564, 0.4310



46.4367, 0.2148, 0.2570



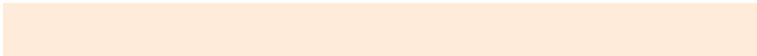
46.4367, 0.2634, 0.2427

# Sweetspot

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



46.4390, 0.4198, 0.3905



85.5033, 0.3382, 0.3469



32.2415, 0.3764, 0.2602



17.8962, 0.3423, 0.3496



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.



46.4390, 0.4198, 0.3905



52.4184, 0.4492, 0.4009



72.5575, 0.3877, 0.4466



15.4778, 0.3281, 0.3401



15.8307, 0.5493, 0.4021



1.3545, 0.5254, 0.4210



# Inverse Universe

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



40.4290, 0.2334, 0.2558



43.9898, 0.2184, 0.2372



22.5203, 0.2179, 0.1757



15.1471, 0.2981, 0.3177



11.3686, 0.1802, 0.1685

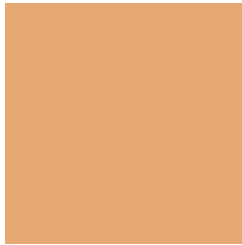


1.0258, 0.1872, 0.1937



# Previews

## White Background



This preview shows how the Yxy color 46.4367, 0.4198, 0.3905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

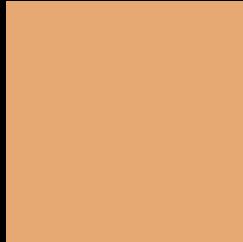
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.4367, 0.4198, 0.3905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

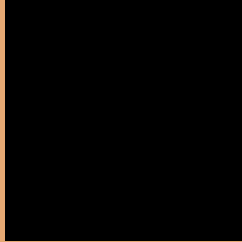
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.4367, 0.4198, 0.3905**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4367, 0.4198, 0.3905.



This preview shows how white text looks on a background with the Yxy color 46.4367, 0.4198, 0.3905.

# 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

46.4367, 0.4198, 0.3905

### Protanopia

46.6823, 0.3774, 0.4083

### Deuteranopia

46.5471, 0.4073, 0.4001



## Tritanopia

46.5588, 0.3716, 0.3156

# Trichromacy



**Original Color**

46.4367, 0.4198, 0.3905

**Protanomaly**

46.3076, 0.3928, 0.4017

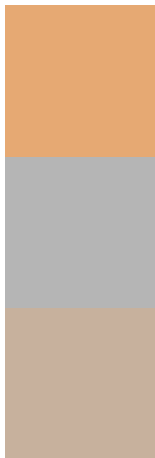
**Deuteranomaly**

46.4079, 0.4123, 0.3968

**Tritanomaly**

46.5338, 0.3892, 0.3430

# Monochromacy



**Original Color**

46.4367, 0.4198, 0.3905

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

46.0207, 0.3495, 0.3546

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4367, 0.4198, 0.3905 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(230, 169, 115)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 169, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 169, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4367, 0.4198, 0.3905 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(230, 169, 115) }
```

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

```
.border{ border-color:rgb(230, 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(230, 169, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 169, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 169, 115);  
box-shadow:4px 4px 4px 4px rgb(230, 169,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4367, 0.4198, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 169, 115) }
```

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

```
.background{ background-color: rgb(230,  
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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