

# Converting Colors

$Y_{xy}(46.7518, 0.4176, 0.3774)$

Have a look what the booklet for  
Yxy(46.7518, 0.4176, 0.3774)  
contains.

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# Color

**Yxy(46.7548, 0.4176, 0.3775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBA77C
RGB	235, 167, 124
RGB Percent	92%, 65%, 49%
CMY	0.0784, 0.3451, 0.5136
CMYK	0.00, 0.29, 0.47, 0.08
HSL	23°, 74%, 70%
HSV	23°, 47%, 92%
XYZ	51.7213, 46.7548, 25.3776
YIQ	182.4300, 54.3310, 1.0430

# Conversions

## Conversions Part 2

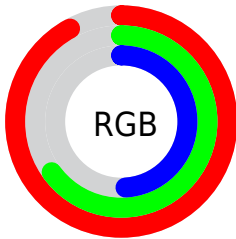
Format	Color
R <sub>YB</sub>	235, 194, 124
Decimal	15443836
CIE Lab	74.03, 20.14, 32.15
CIE LCh	74, 37.932, 57.939
Yxy	46.7548, 0.4176, 0.3775
Android (android.graphics.Color)	4293633916 (0xFFEBA77C)
YUV	182.4300, -28.8060, 46.1039
Hunter-Lab	68.3775, 15.3584, 25.8593

# Details

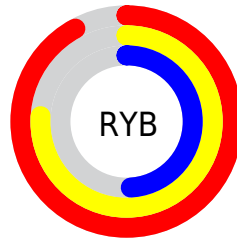
The Yxy color **46.7548, 0.4176, 0.3775** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **48.0032, 0.2399, 0.2730**, and the grayscale version is **47.1665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6769, 0.3684, 0.3751**, and **22.1030, 0.4473, 0.3878** is the 20% darker color. If you saturate the color by 10%, you get **41.2452, 0.4487, 0.3862**, and if you desaturate by 10%, it is **52.9983, 0.3894, 0.3674**.

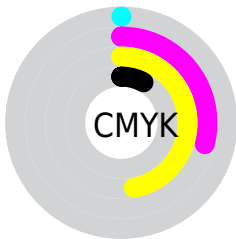
# Distribution



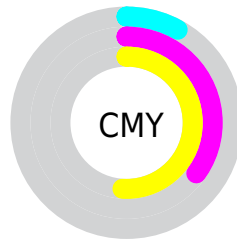
- Red (92%)
- Green (65%)
- Blue (49%)



- Red (92%)
- Yellow (76%)
- Blue (49%)



- Cyan (0%)
- Magenta (29%)
- Yellow (47%)
- Black (8%)




- Cyan (8%)
- Magenta (35%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7548, 0.4176, 0.3775 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 46.7548, 0.4176, 0.3775 by changing the saturation by 10% instead.




 46.7548, 0.4176,  
0.3775


 46.7548, 0.4176,  
0.3775


373.8349, 0.3652,  
0.3558


 32.8419, 0.4304,  
0.3819


 85.3475, 0.3987,  
0.3703

 22.0053, 0.4465,  
0.3870


 110.7960, 0.3916,  
0.3674

 13.8608, 0.4673,  
0.3926


 140.8586, 0.3855,  
0.3648

 8.0239, 0.4947,  
0.3982

175.9195, 0.3803,  
0.3626

 4.1103, 0.5334,  
0.4030

216.3632, 0.3757,  
0.3606

 1.7354, 0.5946,  
0.4054

262.5741, 0.3718,

 0.4464, 0.6728,

0.3588

0.3272

314.9365, 0.3683,  
0.3572

0.0000, 0.0000,  
0.0000

46.7548, 0.4176,  
0.3775

46.7548, 0.4176,  
0.3775

41.2452, 0.4487,  
0.3862

52.9983, 0.3894,  
0.3674

36.4332, 0.4816,  
0.3924

59.9964, 0.3645,  
0.3567

32.2894, 0.5144,  
0.3946

67.7773, 0.3429,  
0.3461

28.7788, 0.5446,  
0.3917

76.3656, 0.3244,  
0.3359

25.8607, 0.5695,  
0.3836

85.7847, 0.3086,  
0.3264

■ 25.1441, 0.5758,  
0.3810

■ 95.3936, 0.3005,  
0.3274

■ 96.4035, 0.3005,  
0.3290

# Harmonies

## Analogous

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



46.7548, 0.4097, 0.3362



46.7548, 0.4176, 0.3775



46.7548, 0.3952, 0.4114

# Triad

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



46.7548, 0.4176, 0.3775



46.7548, 0.2531, 0.3625



46.7548, 0.2688, 0.2473

# Complementary

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



46.7548, 0.4176, 0.3775



48.0032, 0.2399, 0.2730

# 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.



46.7548, 0.2329, 0.2477



46.7548, 0.4176, 0.3775



46.7548, 0.2243, 0.3094

# Square

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



46.7548, 0.4176, 0.3775



46.7548, 0.2992, 0.4080



46.7548, 0.2175, 0.2684



46.7548, 0.3195, 0.2648



# Rectangle

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



46.7548, 0.4176, 0.3775



46.7548, 0.3675, 0.4238



46.7548, 0.2175, 0.2684



46.7548, 0.2548, 0.2453

# Sweetspot

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



46.7571, 0.4176, 0.3775



84.7374, 0.3368, 0.3428



35.9135, 0.3611, 0.2541



17.6712, 0.3410, 0.3451



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.



46.7571, 0.4176, 0.3775



49.6240, 0.4488, 0.3863



71.3945, 0.3883, 0.4329



16.0104, 0.3283, 0.3382



14.2225, 0.5730, 0.3832



1.2985, 0.5473, 0.4036

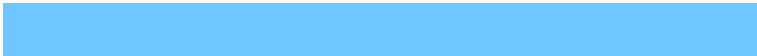


# Inverse Universe

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



48.0032, 0.2399, 0.2730



51.2322, 0.2261, 0.2585



28.1717, 0.2259, 0.1973



16.0857, 0.2981, 0.3197



14.6964, 0.1881, 0.1971



1.3397, 0.1937, 0.2173



# Previews

## White Background



This preview shows how the Yxy color 46.7548, 0.4176, 0.3775 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 46.7548, 0.4176, 0.3775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

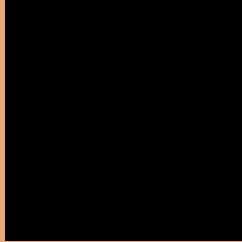
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.7548, 0.4176, 0.3775**

## Background



This preview shows how black text looks on a background with the Yxy color 46.7548, 0.4176, 0.3775.



This preview shows how white text looks on a background with the Yxy color 46.7548, 0.4176, 0.3775.

# 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

46.7548, 0.4176, 0.3775

### Protanopia

46.8034, 0.3683, 0.3960

### Deuteranopia

46.6076, 0.3987, 0.3902



## Tritanopia

46.8576, 0.3766, 0.3158

# Trichromacy



**Original Color**

46.7548, 0.4176, 0.3775

**Protanomaly**

46.7044, 0.3853, 0.3895

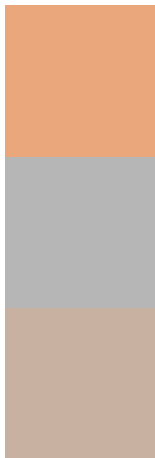
**Deuteranomaly**

46.4032, 0.4060, 0.3854

**Tritanomaly**

46.7381, 0.3928, 0.3382

# Monochromacy



**Original Color**

46.7548, 0.4176, 0.3775

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

46.4350, 0.3479, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.7548, 0.4176, 0.3775 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(235, 167, 124)` looks like.

```
.text, #text, p{  
    color:rgb(235, 167, 124)  
}
```

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(235, 167, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 167, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 46.7548, 0.4176, 0.3775 is called "border". The border property can be set on classes, ids or directly on the HTML element.

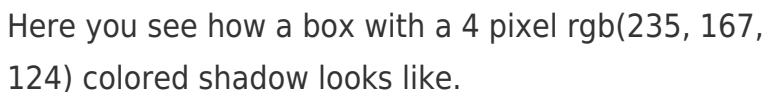
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 167, 124) }
```

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

```
.border{ border-color:rgb(235, 167, 124) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 167, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 167, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 167, 124); box-shadow:4px 4px 4px 4px rgb(235, 167, 124) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.7548, 0.4176, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 167, 124) }
```

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

```
.background{ background-color: rgb(235,  
167, 124) }
```

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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