

# Converting Colors

$Y_{xy}(45.5693, 0.4167, 0.3771)$

Have a look what the booklet for  
Yxy(45.5693, 0.4167, 0.3771)  
contains.

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# Color

**Yxy(45.4961, 0.4169, 0.3770)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8A57B
RGB	232, 165, 123
RGB Percent	91%, 65%, 48%
CMY	0.0902, 0.3529, 0.5176
CMYK	0.00, 0.29, 0.47, 0.09
HSL	23°, 70%, 70%
HSV	23°, 47%, 91%
XYZ	50.3112, 45.4961, 24.8720
YIQ	180.2450, 53.4140, 1.1420

# Conversions

## Conversions Part 2

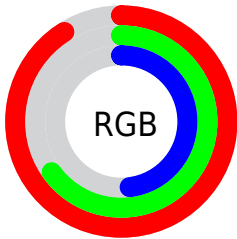
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 191, 123
Decimal	15246715
CIE Lab	73.22, 19.91, 31.56
CIE LCh	73, 37.317, 57.763
Yxy	45.4961, 0.4169, 0.3770
Android (android.graphics.Color)	4293436795 (0xFFE8A57B)
YUV	180.2450, -28.2218, 45.3891
Hunter-Lab	67.4508, 15.1033, 25.3528

# Details

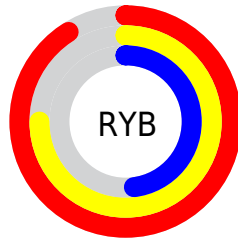
The Yxy color **45.4961, 0.4169, 0.3770** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.8723, 0.2403, 0.2737**, and the grayscale version is **45.9151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5810, 0.3697, 0.3742**, and **21.3033, 0.4456, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **40.1229, 0.4480, 0.3857**, and if you desaturate by 10%, it is **51.5853, 0.3888, 0.3669**.

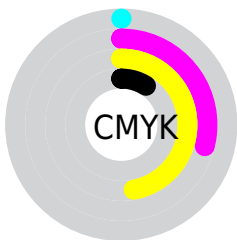
# Distribution



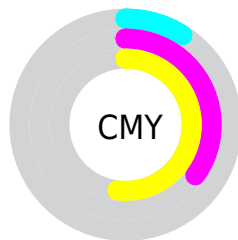
- Red (91%)
- Green (65%)
- Blue (48%)



- Red (91%)
- Yellow (75%)
- Blue (48%)



- Cyan (0%)
- Magenta (29%)
- Yellow (47%)
- Black (9%)




- Cyan (9%)
- Magenta (35%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4961, 0.4169, 0.3770 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 45.4961, 0.4169, 0.3770 by changing the saturation by 10% instead.





 45.4961, 0.4169,  
0.3770

 45.4961, 0.4169,  
0.3770


368.7791, 0.3646,  
0.3554

 31.8484, 0.4297,  
0.3815


 83.4644, 0.3980,  
0.3698

 21.2457, 0.4460,  
0.3866


 108.5537, 0.3908,  
0.3669

 13.3037, 0.4670,  
0.3922


 138.2257, 0.3848,  
0.3644

 7.6380, 0.4949,  
0.3978

172.8647, 0.3796,  
0.3621

 3.8642, 0.5351,  
0.4031

212.8551, 0.3751,  
0.3601

 1.5979, 0.5961,  
0.4039

258.5814, 0.3711,

 0.3562, 0.6983,

0.3584

0.3017

310.4279, 0.3677,  
0.3568

0.0000, 0.0000,  
0.0000

45.4961, 0.4169,  
0.3770

45.4961, 0.4169,  
0.3770

40.1229, 0.4480,  
0.3857

51.5853, 0.3888,  
0.3669

35.4302, 0.4809,  
0.3919

58.4105, 0.3639,  
0.3563

31.3895, 0.5139,  
0.3942

65.9993, 0.3424,  
0.3457

27.9667, 0.5442,  
0.3915

74.3756, 0.3240,  
0.3357

25.1226, 0.5694,  
0.3835

83.5623, 0.3082,  
0.3262

■ 24.3653, 0.5762,  
0.3807

■ 93.1077, 0.2987,  
0.3246

■ 95.8970, 0.2988,  
0.3290

# Harmonies

## Analogous

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



45.4961, 0.4088, 0.3359



45.4961, 0.4169, 0.3770



45.4961, 0.3948, 0.4107

# Triad

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



45.4961, 0.4169, 0.3770



45.4961, 0.2538, 0.3626



45.4961, 0.2689, 0.2477

# Complementary

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



45.4961, 0.4169, 0.3770



46.8723, 0.2403, 0.2737

# 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.



45.4961, 0.2333, 0.2483



45.4961, 0.4169, 0.3770



45.4961, 0.2250, 0.3099

# Square

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



45.4961, 0.4169, 0.3770



45.4961, 0.2996, 0.4076



45.4961, 0.2181, 0.2691



45.4961, 0.3192, 0.2651



# Rectangle

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



45.4961, 0.4169, 0.3770



45.4961, 0.3675, 0.4231



45.4961, 0.2181, 0.2691



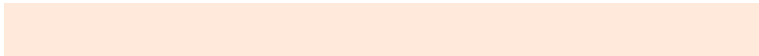
45.4961, 0.2550, 0.2458

# Sweetspot

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



45.4983, 0.4169, 0.3770



84.6984, 0.3368, 0.3428



35.0532, 0.3607, 0.2545



17.6617, 0.3410, 0.3450



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.



45.4983, 0.4169, 0.3770



50.1502, 0.4458, 0.3852



69.4022, 0.3879, 0.4323



15.2738, 0.3283, 0.3381



13.7519, 0.5733, 0.3830



1.1918, 0.5462, 0.4045



# Inverse Universe

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



46.8723, 0.2403, 0.2737



51.9800, 0.2275, 0.2604



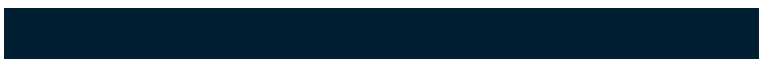
27.5700, 0.2265, 0.1982



15.3550, 0.2981, 0.3197



14.3287, 0.1883, 0.1979



1.2375, 0.1942, 0.2191



# Previews

## White Background



This preview shows how the Yxy color 45.4961, 0.4169, 0.3770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

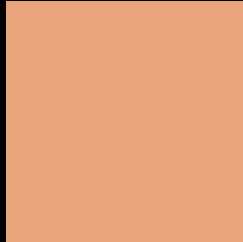
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.4961, 0.4169, 0.3770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

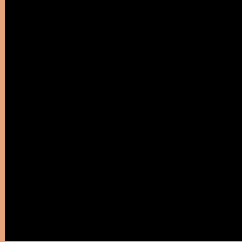
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.4961, 0.4169, 0.3770**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.4961, 0.4169, 0.3770.



This preview shows how white text looks on a background with the Yxy color 45.4961, 0.4169, 0.3770.

# 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

45.4961, 0.4169, 0.3770

### Protanopia

45.6968, 0.3680, 0.3954

### Deuteranopia

45.5091, 0.3987, 0.3895



## Tritanopia

45.5694, 0.3764, 0.3156

## Trichromacy



**Original Color**

45.4961, 0.4169, 0.3770

**Protanomaly**

45.6021, 0.3852, 0.3888

**Deuteranomaly**

45.3107, 0.4061, 0.3847

**Tritanomaly**

45.4850, 0.3917, 0.3372

## Monochromacy



**Original Color**

45.4961, 0.4169, 0.3770

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

45.3053, 0.3483, 0.3495

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4961, 0.4169, 0.3770 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(232, 165, 123)` looks like.

```
.text, #text, p{  
    color:rgb(232, 165, 123)  
}
```

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(232, 165, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 165, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4961, 0.4169, 0.3770 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(232, 165, 123) }
```

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

```
.border{ border-color:rgb(232, 165, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 165, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 165, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 165, 123);  
box-shadow:4px 4px 4px 4px rgb(232, 165,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4961, 0.4169, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 165, 123) }
```

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

```
.background{ background-color: rgb(232,  
165, 123) }
```

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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