

# Converting Colors

$Y_{xy}(45.2793, 0.4273, 0.3896)$

Have a look what the booklet for  
Yxy(45.2793, 0.4273, 0.3896)  
contains.

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# Color

**Yxy(45.2138, 0.4277, 0.3899)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8A56F
RGB	232, 165, 111
RGB Percent	91%, 65%, 44%
CMY	0.0903, 0.3529, 0.5647
CMYK	0.00, 0.29, 0.52, 0.09
HSL	27°, 72%, 67%
HSV	27°, 52%, 91%
XYZ	49.5972, 45.2138, 21.1516
YIQ	178.8770, 57.2660, -2.5900

# Conversions

## Conversions Part 2

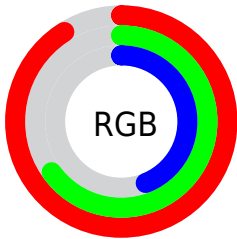
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 209, 111
Decimal	15246703
CIE Lab	73.03, 18.78, 37.67
CIE LCh	73, 42.095, 63.504
Yxy	45.2138, 0.4277, 0.3899
Android (android.graphics.Color)	4293436783 (0xFFE8A56F)
YUV	178.8770, -33.4634, 46.5889
Hunter-Lab	67.2412, 13.9897, 28.4184

# Details

The Yxy color **45.2138, 0.4277, 0.3899** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.0284, 0.2309, 0.2559**, and the grayscale version is **45.1700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0907, 0.3790, 0.3874**, and **21.0423, 0.4581, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **40.3674, 0.4574, 0.3989**, and if you desaturate by 10%, it is **50.6624, 0.3999, 0.3788**.

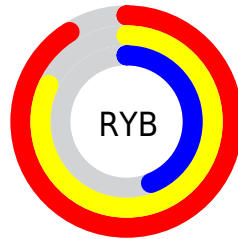
# Distribution



Red (91%)

Green (65%)

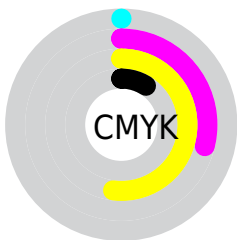
Blue (44%)



Red (91%)

Yellow (82%)

Blue (44%)

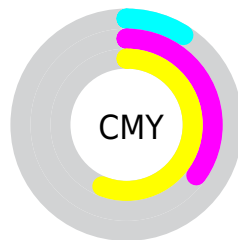


Cyan (0%)

Magenta (29%)

Yellow (52%)

Black (9%)



Cyan (9%)

Magenta (35%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2138, 0.4277, 0.3899 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 45.2138, 0.4277, 0.3899 by changing the saturation by 10% instead.





 45.2138, 0.4277,  
0.3899

 45.2138, 0.4277,  
0.3899


367.6388, 0.3703,  
0.3625


 31.6259, 0.4415,  
0.3954


 83.0411, 0.4071,  
0.3809


 21.0759, 0.4587,  
0.4017


 108.0493, 0.3993,  
0.3772

 13.1795, 0.4806,  
0.4083

 137.6331, 0.3927,  
0.3740

 7.5523, 0.5086,  
0.4145

 172.1768, 0.3869,  
0.3711

 3.8098, 0.5572,  
0.4268

212.0648, 0.3820,  
0.3686

 1.5678, 0.5911,  
0.4089

257.6815, 0.3776,

 0.3357, 0.6984,

0.3664

0.3016

309.4114, 0.3738,  
0.3643

0.0000, 0.0000,  
0.0000

45.2138, 0.4277,  
0.3899

45.2138, 0.4277,  
0.3899

40.3674, 0.4574,  
0.3989

50.6624, 0.3999,  
0.3788

36.0923, 0.4876,  
0.4046

56.7289, 0.3747,  
0.3668

32.3644, 0.5165,  
0.4057

63.4367, 0.3524,  
0.3546

29.1541, 0.5418,  
0.4013

70.8056, 0.3329,  
0.3427

26.9681, 0.5587,  
0.3946

78.8547, 0.3160,  
0.3313

■ 87.6020, 0.3015,  
0.3208

■ 95.8239, 0.2987,  
0.3289

■ 95.8917, 0.2987,  
0.3290

# Harmonies

## Analogous

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



45.2138, 0.4260, 0.3447



45.2138, 0.4277, 0.3899



45.2138, 0.3966, 0.4258

# Triad

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



45.2138, 0.4277, 0.3899



45.2138, 0.2384, 0.3551



45.2138, 0.2730, 0.2408

# Complementary

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



45.2138, 0.4277, 0.3899



41.0284, 0.2309, 0.2559

# 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.



45.2138, 0.2298, 0.2370



45.2138, 0.4277, 0.3899



45.2138, 0.2112, 0.2963

# Square

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



45.2138, 0.4277, 0.3899



45.2138, 0.2865, 0.4110



45.2138, 0.2085, 0.2550



45.2138, 0.3314, 0.2633



# Rectangle

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



45.2138, 0.4277, 0.3899



45.2138, 0.3633, 0.4371



45.2138, 0.2085, 0.2550



45.2138, 0.2564, 0.2373

# Sweetspot

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



45.2160, 0.4277, 0.3899



84.0740, 0.3403, 0.3473



31.7977, 0.3756, 0.2533



17.5907, 0.3443, 0.3498



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.



45.2160, 0.4277, 0.3899



49.3771, 0.4609, 0.3998



71.5625, 0.3926, 0.4476



15.4222, 0.3281, 0.3395



15.2182, 0.5559, 0.3968



1.3076, 0.5311, 0.4165



# Inverse Universe

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



41.0284, 0.2309, 0.2559



43.5955, 0.2155, 0.2367



22.4135, 0.2144, 0.1733



15.2033, 0.2981, 0.3182



12.1197, 0.1823, 0.1764



1.0804, 0.1891, 0.2006



# Previews

## White Background



This preview shows how the Yxy color 45.2138, 0.4277, 0.3899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

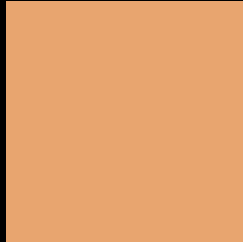
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.2138, 0.4277, 0.3899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

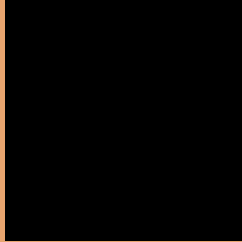
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.2138, 0.4277, 0.3899**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.2138, 0.4277, 0.3899.



This preview shows how white text looks on a background with the Yxy color 45.2138, 0.4277, 0.3899.

# 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

45.2138, 0.4277, 0.3899

### Protanopia

45.5290, 0.3788, 0.4103

### Deuteranopia

45.5363, 0.4109, 0.4026



## Tritanopia

45.3605, 0.3787, 0.3157

# Trichromacy



**Original Color**

45.2138, 0.4277, 0.3899

**Protanomaly**

45.3076, 0.3955, 0.4032

**Deuteranomaly**

45.1897, 0.4176, 0.3978

**Tritanomaly**

45.3218, 0.3967, 0.3429

# Monochromacy



**Original Color**

45.2138, 0.4277, 0.3899

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

44.6110, 0.3520, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.2138, 0.4277, 0.3899 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(232, 165, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 165, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 45.2138, 0.4277, 0.3899 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, 111) }
```

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

```
.border{ border-color:rgb(232, 165, 111) }
```

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, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 165, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 165, 111);  
box-shadow:4px 4px 4px 4px rgb(232, 165,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.2138, 0.4277, 0.3899 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, 111) }
```

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

```
.background{ background-color: rgb(232,  
165, 111) }
```

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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