

# Converting Colors

$Yxy(45.6632, 0.4215, 0.3999)$

Have a look what the booklet for  
Yxy(45.6632, 0.4215, 0.3999)  
contains.

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# Color

**Yxy(45.4662, 0.4211, 0.3994)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1A96C
RGB	225, 169, 108
RGB Percent	88%, 66%, 42%
CMY	0.1178, 0.3372, 0.5765
CMYK	0.00, 0.25, 0.52, 0.12
HSL	31°, 66%, 65%
HSV	31°, 52%, 88%
XYZ	47.9364, 45.4662, 20.4336
YIQ	178.7900, 52.9570, -7.0990

# Conversions

## Conversions Part 2

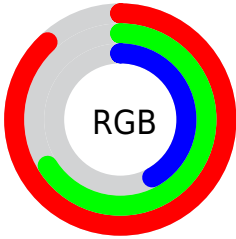
Format	Color
R <sub>Y</sub> B	215, 225, 108
Decimal	14788972
CIE Lab	73.20, 13.52, 39.28
CIE LCh	73, 41.547, 71.005
Yxy	45.4662, 0.4211, 0.3994
Android (android.graphics.Color)	4292979052 (0xFFE1A96C)
YUV	178.7900, -34.8995, 40.5262
Hunter-Lab	67.4286, 8.8993, 29.2328

# Details

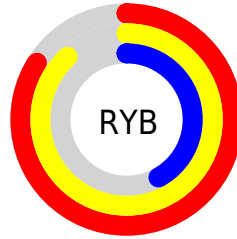
The Yxy color **45.4662, 0.4211, 0.3994** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.1465, 0.2287, 0.2434**, and the grayscale version is **45.1296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1094, 0.3796, 0.3943**, and **21.2538, 0.4495, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **41.2094, 0.4476, 0.4102**, and if you desaturate by 10%, it is **50.1804, 0.3957, 0.3865**.

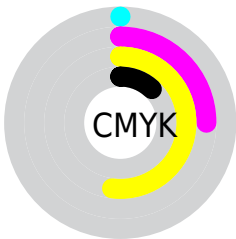
# Distribution



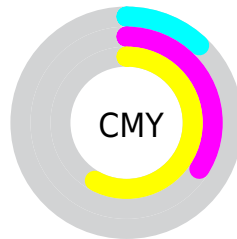
- Red (88%)
- Green (66%)
- Blue (42%)



- Red (84%)
- Yellow (88%)
- Blue (42%)



- Cyan (0%)
- Magenta (25%)
- Yellow (52%)
- Black (12%)




- Cyan (12%)
- Magenta (34%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4662, 0.4211, 0.3994 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 45.4662, 0.4211, 0.3994 by changing the saturation by 10% instead.




 45.4662, 0.4211,  
0.3994


 45.4662, 0.4211,  
0.3994


368.6584, 0.3674,  
0.3669


 31.8248, 0.4339,  
0.4063


 83.4196, 0.4020,  
0.3884


 21.2277, 0.4497,  
0.4142


 108.5003, 0.3946,  
0.3841

 13.2906, 0.4696,  
0.4232

 138.1629, 0.3884,  
0.3803

 7.6289, 0.4947,  
0.4324

 172.7919, 0.3830,  
0.3769

 3.8584, 0.5417,  
0.4524

212.7715, 0.3783,  
0.3740

 1.5947, 0.5635,  
0.4365

258.4862, 0.3742,

 0.3540, 0.6531,

0.3714

0.3469

310.3204, 0.3706,  
0.3690

0.0000, 0.0000,  
0.0000

45.4662, 0.4211,  
0.3994

45.4662, 0.4211,  
0.3994

41.2094, 0.4476,  
0.4102

50.1804, 0.3957,  
0.3865

37.3858, 0.4742,  
0.4176

55.3615, 0.3723,  
0.3726

33.9781, 0.4992,  
0.4205

61.0272, 0.3512,  
0.3585

30.9645, 0.5211,  
0.4179

67.1918, 0.3323,  
0.3447

28.8127, 0.5361,  
0.4125

73.8690, 0.3158,  
0.3315

■ 81.0719, 0.3013,  
0.3192

■ 88.1207, 0.2944,  
0.3181

■ 94.7411, 0.2946,  
0.3289

# Harmonies

## Analogous

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



45.4662, 0.4281, 0.3560



45.4662, 0.4211, 0.3994



45.4662, 0.3840, 0.4301

# Triad

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



45.4662, 0.4211, 0.3994



45.4662, 0.2305, 0.3396



45.4662, 0.2870, 0.2459

# Complementary

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



45.4662, 0.4211, 0.3994



35.1465, 0.2287, 0.2434

# 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.



45.4662, 0.2397, 0.2372



45.4662, 0.4211, 0.3994



45.4662, 0.2096, 0.2847

# Square

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



45.4662, 0.4211, 0.3994



45.4662, 0.2736, 0.3978



45.4662, 0.2130, 0.2495



45.4662, 0.3463, 0.2721



# Rectangle

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



45.4662, 0.4211, 0.3994



45.4662, 0.3488, 0.4358



45.4662, 0.2130, 0.2495



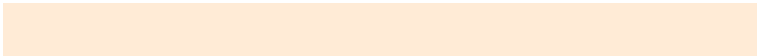
45.4662, 0.2693, 0.2408

# Sweetspot

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



45.4684, 0.4211, 0.3994



85.8223, 0.3398, 0.3503



29.4237, 0.3875, 0.2642



18.0066, 0.3437, 0.3532



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.



45.4684, 0.4211, 0.3994



54.5197, 0.4488, 0.4106



70.6010, 0.3867, 0.4546



14.8780, 0.3279, 0.3412



16.8454, 0.5338, 0.4143



1.3467, 0.5114, 0.4321

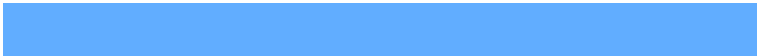


# Inverse Universe

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



35.1465, 0.2287, 0.2434



39.4538, 0.2131, 0.2223



19.4684, 0.2142, 0.1643



14.3193, 0.2981, 0.3164



9.4953, 0.1753, 0.1512



0.8367, 0.1833, 0.1799



# Previews

## White Background



This preview shows how the Yxy color 45.4662, 0.4211, 0.3994 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 45.4662, 0.4211, 0.3994 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

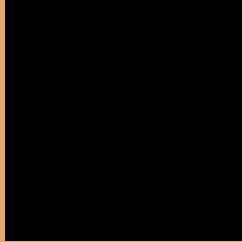
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.4662, 0.4211, 0.3994**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.4662, 0.4211, 0.3994.



This preview shows how white text looks on a background with the Yxy color 45.4662, 0.4211, 0.3994.

# 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

45.4662, 0.4211, 0.3994

### Protanopia

45.5481, 0.3838, 0.4161

### Deuteranopia

45.4720, 0.4134, 0.4059



## Tritanopia

45.4958, 0.3691, 0.3154

# Trichromacy



## Original Color

45.4662, 0.4211, 0.3994

## Protanomaly

45.4638, 0.3973, 0.4093

## Deuteranomaly

45.5595, 0.4169, 0.4038

## Tritanomaly

45.3789, 0.3897, 0.3467

# Monochromacy



## Original Color

45.4662, 0.4211, 0.3994

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.6956, 0.3508, 0.3576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.4662, 0.4211, 0.3994 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(225, 169, 108)` looks like.

```
.text, #text, p{  
    color:rgb(225, 169, 108)  
}
```

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(225, 169, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 169, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 45.4662, 0.4211, 0.3994 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(225, 169, 108) }
```

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

```
.border{ border-color:rgb(225, 169, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 169, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 169, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 169, 108);  
box-shadow:4px 4px 4px 4px rgb(225, 169,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.4662, 0.4211, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 169, 108) }
```

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

```
.background{ background-color: rgb(225,  
169, 108) }
```

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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