

# Converting Colors

CIELCh(67, 43.527, 44.981)

Have a look what the booklet for  
CIELCh(67, 43.527, 44.981) contains.

<b>CIELCh(67, 43.539, 45.124)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(67, 43.539, 45.124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E58C6D
RGB	229, 140, 109
RGB Percent	90%, 55%, 43%
CMY	0.1009, 0.4501, 0.5717
CMYK	0.00, 0.39, 0.52, 0.10
HSL	16°, 70%, 66%
HSV	16°, 52%, 90%
XYZ	44.5790, 36.6320, 19.2500
YIQ	163.0770, 62.9950, 9.2270

# Conversions

## Conversions Part 2

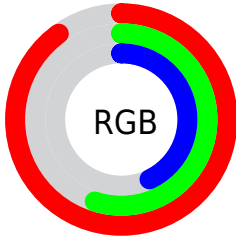
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 151, 109
Decimal	15043693
CIE Lab	67.00, 30.72, 30.85
CIE LCh	67, 43.539, 45.124
Yxy	36.6320, 0.4437, 0.3646
Android (android.graphics.Color)	4293233773 (0xFFE58C6D)
YUV	163.0770, -26.6600, 57.8145
Hunter-Lab	60.5244, 25.5558, 23.5096

# Details

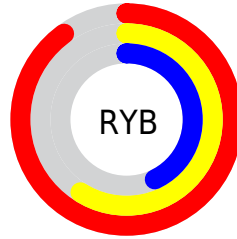
The CIELCh color **67, 43.539, 45.124** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **76, 29.866, 232.230**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 30.627, 54.910**, and **47, 43.490, 45.217** is the 20% darker color. If you saturate the color by 10%, you get **63, 53.813, 45.326**, and if you desaturate by 10%, it is **71, 33.850, 45.095**.

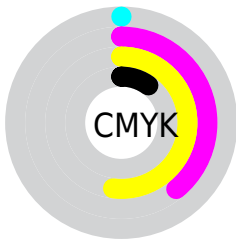
# Distribution



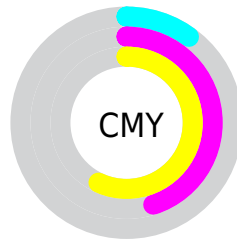
- Red (90%)
- Green (55%)
- Blue (43%)



- Red (90%)
- Yellow (59%)
- Blue (43%)



- Cyan (0%)
- Magenta (39%)
- Yellow (52%)
- Black (10%)



- Cyan (10%)
- Magenta (45%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 43.539, 45.124 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 CIELCh color 67, 43.539, 45.124 by changing the saturation by 10% instead.



67, 43.539, 45.124

67, 43.539, 45.124

100, 43.539,  
45.124

57, 43.539, 45.124

87, 43.539, 45.124

47, 43.539, 45.124

97, 43.539, 45.124

37, 43.539, 45.124

27, 43.539, 45.124

17, 43.539, 45.124

7, 43.539, 45.124

0, 43.539, 45.124

67, 43.539, 45.124

67, 43.539, 45.124

63, 53.813, 45.326

71, 33.850, 45.095

59, 64.460, 45.648

76, 24.826, 45.218

56, 74.953, 45.932

80, 16.468, 45.470

53, 84.142, 45.754

85, 8.745, 45.808

52, 89.588, 45.175

90, 1.604, 45.961

95, 5.014, 226.946

98, 8.767, 198.927

# Harmonies

# Complementary

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



67, 43.539, 45.124



76, 29.866, 232.230

# Rectangle

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



67, 43.539, 45.124



67, 43.539, 95.124



67, 43.539, 225.124



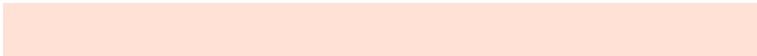
67, 43.539, 275.124

# Sweetspot

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



67, 43.537, 45.128



92, 12.525, 45.675



63, 62.802, 336.159



48, 8.527, 45.604



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 43.537, 45.128



69, 59.473, 45.354



81, 48.521, 90.625



46, 3.975, 45.910



40, 73.851, 45.658



9, 22.822, 37.323





# Inverse Universe

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



76, 29.866, 232.230



80, 36.997, 234.762



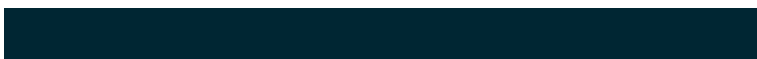
59, 51.105, 286.565



47, 3.762, 227.063



52, 35.321, 247.839



13, 14.264, 239.479



# Previews

## White Background



This preview shows how the CIELCh color 67, 43.539, 45.124 looks on a white background.

## Color Contrast Check

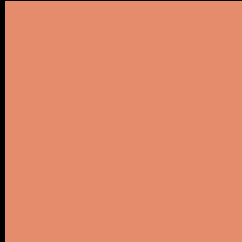
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 67, 43.539, 45.124 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

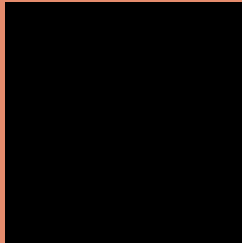
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 43.539, 45.124

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 43.539, 45.124.

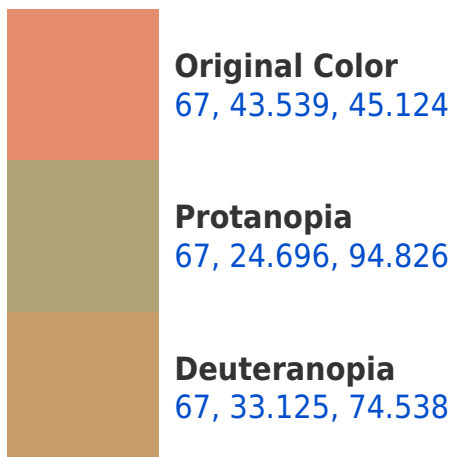


This preview shows how white text looks on a background with the CIELCh color 67, 43.539, 45.124.

# 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





**Tritanopia**  
67, 39.643, 15.945



# Trichromacy



**Original Color**  
67, 43.539, 45.124

**Protanomaly**  
67, 28.277, 70.327

**Deuteranomaly**  
67, 35.765, 61.362

**Tritanomaly**  
67, 39.685, 27.282

# Monochromacy



**Original Color**  
67, 43.539, 45.124

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
67, 14.660, 47.035

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 43.539, 45.124 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(229, 140, 109)` looks like.

```
.text, #text, p{  
    color:rgb(229, 140, 109)  
}
```

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(229, 140, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 140, 109) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 43.539, 45.124 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(229, 140, 109) }
```

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

```
.border{ border-color:rgb(229, 140, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 140, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 140, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 140, 109);  
box-shadow:4px 4px 4px 4px rgb(229, 140,  
109) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 43.539, 45.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 140, 109) }
```

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

```
.background{ background-color: rgb(229,  
140, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor