

# Converting Colors

CIELCh(67, 58.746, 66.191)

Have a look what the booklet for  
CIELCh(67, 58.746, 66.191) contains.

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# Color

**CIELCh(67, 58.641, 66.483)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E19140
RGB	225, 145, 64
RGB Percent	88%, 57%, 25%
CMY	0.1176, 0.4313, 0.7490
CMYK	0.00, 0.36, 0.72, 0.12
HSL	30°, 73%, 57%
HSV	30°, 72%, 88%
XYZ	42.1058, 36.6320, 9.7030
YIQ	159.6860, 73.6810, -8.2310

# Conversions

## Conversions Part 2

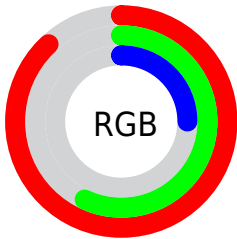
Format	Color
R <sub>Y</sub> B	223, 225, 64
Decimal	14782784
CIE Lab	67.00, 23.40, 53.77
CIE LCh	67, 58.641, 66.483
Yxy	36.6320, 0.4761, 0.4142
Android (android.graphics.Color)	4292972864 (0xFFE19140)
YUV	159.6860, -47.1732, 57.2804
Hunter-Lab	60.5244, 18.2620, 32.8619

# Details

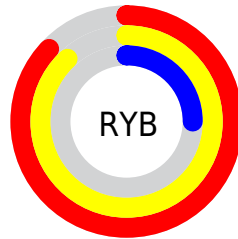
The CIELCh color **67, 58.641, 66.483** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **58, 48.254, 272.595**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 49.914, 77.697**, and **47, 58.819, 66.325** is the 20% darker color. If you saturate the color by 10%, you get **64, 66.875, 64.824**, and if you desaturate by 10%, it is **70, 49.814, 67.912**.

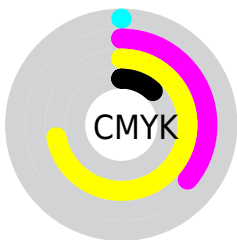
# Distribution



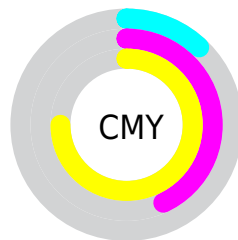
- Red (88%)
- Green (57%)
- Blue (25%)



- Red (87%)
- Yellow (88%)
- Blue (25%)



- Cyan (0%)
- Magenta (36%)
- Yellow (72%)
- Black (12%)



- Cyan (12%)
- Magenta (43%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 58.641, 66.483 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, 58.641, 66.483 by changing the saturation by 10% instead.



67, 58.641, 66.483

67, 58.641, 66.483

100, 58.641,  
66.483

57, 58.641, 66.483

87, 58.641, 66.483

47, 58.641, 66.483

97, 58.641, 66.483

37, 58.641, 66.483

27, 58.641, 66.483

17, 58.641, 66.483

7, 58.641, 66.483

0, 58.641, 66.483

67, 58.641, 66.483

67, 58.641, 66.483

64, 66.875, 64.824

70, 49.814, 67.912

62, 73.580, 62.652

73, 40.938, 69.240

60, 77.654, 60.329

76, 32.276, 70.531

79, 23.943, 71.806

82, 15.973, 73.066

86, 8.363, 74.295

89, 1.092, 75.206

92, 5.870, 256.839

96, 8.390, 234.146

# Harmonies

# Complementary

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



67, 58.641, 66.483



58, 48.254, 272.595

# Rectangle

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



67, 58.641, 66.483



67, 58.641, 116.483



67, 58.641, 246.483



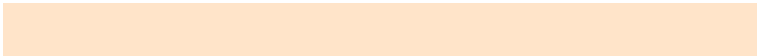
67, 58.641, 296.483

# Sweetspot

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



67, 58.640, 66.486



92, 17.210, 73.116



54, 68.215, 353.133



48, 11.725, 72.768



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, 58.640, 66.486



71, 77.516, 63.815



87, 75.991, 103.817



45, 4.082, 74.545



47, 64.405, 60.996



11, 19.648, 60.588





# Inverse Universe

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



58, 48.254, 272.595



60, 63.734, 278.945



38, 95.800, 302.229



45, 3.994, 257.052



38, 54.825, 284.204



8, 19.074, 274.989



# Previews

## White Background



This preview shows how the CIELCh color 67, 58.641, 66.483 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, 58.641, 66.483 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, 58.641, 66.483

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 58.641, 66.483.



This preview shows how white text looks on a background with the CIELCh color 67, 58.641, 66.483.

# 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**

67, 58.641, 66.483

**Protanopia**

67, 50.631, 95.701

**Deuteranopia**

67, 55.077, 80.703



**Tritanopia**  
67, 38.384, 15.518



# Trichromacy



**Original Color**  
67, 58.641, 66.483

**Protanomaly**  
67, 51.712, 83.837

**Deuteranomaly**  
67, 56.006, 74.925

**Tritanomaly**  
67, 41.278, 40.288

# Monochromacy



**Original Color**  
67, 58.641, 66.483

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
66, 20.719, 72.344

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 58.641, 66.483 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, 145, 64)` looks like.

```
.text, #text, p{  
    color:rgb(225, 145, 64)  
}
```

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, 145, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 145, 64) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 58.641, 66.483 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, 145, 64) }
```

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

```
.border{ border-color:rgb(225, 145, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 145, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 145, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 145, 64);  
box-shadow:4px 4px 4px 4px rgb(225, 145,  
64) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 58.641, 66.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 145, 64) }
```

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

```
.background{ background-color: rgb(225,  
145, 64) }
```

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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