

# Converting Colors

CIELCh(65, 59.694, 59.177)

Have a look what the booklet for  
CIELCh(65, 59.694, 59.177) contains.

<b>CIELCh(65, 59.615, 59.207)</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(65, 59.615, 59.207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E48641
RGB	228, 134, 65
RGB Percent	89%, 53%, 25%
CMY	0.1047, 0.4735, 0.7441
CMYK	0.00, 0.41, 0.71, 0.10
HSL	25°, 75%, 58%
HSV	25°, 71%, 90%
XYZ	41.6105, 34.0472, 9.4164
YIQ	154.2400, 78.1730, -1.5310

# Conversions

## Conversions Part 2

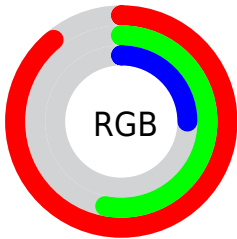
Format	Color
R <sub>Y</sub> B	228, 185, 65
Decimal	14976577
CIE Lab	65.00, 30.52, 51.21
CIE LCh	65, 59.615, 59.207
Yxy	34.0472, 0.4891, 0.4002
Android (android.graphics.Color)	4293166657 (0xFFE48641)
YUV	154.2400, -43.9953, 64.6875
Hunter-Lab	58.3500, 25.1795, 31.2769

# Details

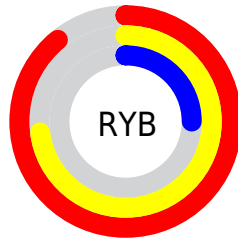
The CIELCh color **65, 59.615, 59.207** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **63, 43.157, 262.912**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 48.419, 70.248**, and **45, 59.509, 59.058** is the 20% darker color. If you saturate the color by 10%, you get **62, 68.748, 57.970**, and if you desaturate by 10%, it is **68, 50.140, 60.253**.

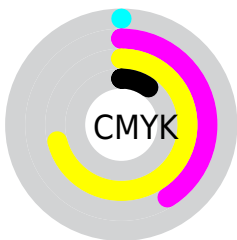
# Distribution



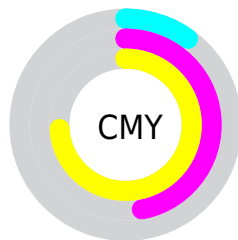
- Red (89%)
- Green (53%)
- Blue (25%)



- Red (89%)
- Yellow (73%)
- Blue (25%)



- Cyan (0%)
- Magenta (41%)
- Yellow (71%)
- Black (10%)



- Cyan (10%)
- Magenta (47%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 59.615, 59.207 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 65, 59.615, 59.207 by changing the saturation by 10% instead.



65, 59.615, 59.207

65, 59.615, 59.207

100, 59.615,  
59.207

55, 59.615, 59.207

85, 59.615, 59.207

45, 59.615, 59.207

95, 59.615, 59.207

35, 59.615, 59.207

25, 59.615, 59.207

15, 59.615, 59.207

5, 59.615, 59.207

0, 59.615, 59.207

65, 59.615, 59.207

65, 59.615, 59.207

62, 68.748, 57.970

68, 50.140, 60.253

59, 76.565, 56.217

72, 40.834, 61.249

57, 81.644, 54.178

75, 31.920, 62.255

79, 23.479, 63.287

82, 15.524, 64.340

86, 8.032, 65.391

90, 0.966, 66.045

94, 5.718, 247.692

98, 8.376, 206.845

# Harmonies

# Complementary

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



65, 59.615, 59.207



63, 43.157, 262.912

# Rectangle

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



65, 59.615, 59.207



65, 59.615, 109.207



65, 59.615, 239.207



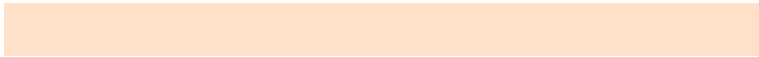
65, 59.615, 289.207

# Sweetspot

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



65, 59.614, 59.210



91, 16.632, 64.371



55, 71.648, 347.452



47, 11.353, 64.078



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



65, 59.614, 59.210



67, 79.350, 57.168



85, 72.072, 99.289



46, 3.988, 65.591



45, 67.589, 54.825



11, 21.133, 52.354





# Inverse Universe

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



63, 43.157, 262.912



65, 55.126, 269.564



42, 88.633, 299.542



46, 3.854, 247.871



43, 47.166, 275.307



10, 17.389, 265.996



# Previews

## White Background



This preview shows how the CIELCh color 65, 59.615, 59.207 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 65, 59.615, 59.207 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 65, 59.615, 59.207

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 59.615, 59.207.



This preview shows how white text looks on a background with the CIELCh color 65, 59.615, 59.207.

# 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

65, 59.615, 59.207

### Protanopia

65, 46.547, 95.726

### Deuteranopia

65, 52.721, 80.649



**Tritanopia**  
65, 43.341, 17.926



# Trichromacy



**Original Color**  
65, 59.615, 59.207

**Protanomaly**  
64, 47.952, 79.967

**Deuteranomaly**  
65, 53.880, 71.947

**Tritanomaly**  
65, 46.185, 37.150

# Monochromacy



**Original Color**  
65, 59.615, 59.207

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 20.533, 62.454

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 59.615, 59.207 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(228, 134, 65)` looks like.

```
.text, #text, p{  
    color:rgb(228, 134, 65)  
}
```

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(228, 134, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 134, 65) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 59.615, 59.207 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(228, 134, 65) }
```

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

```
.border{ border-color:rgb(228, 134, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 134, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 134, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 134, 65);  
box-shadow:4px 4px 4px 4px rgb(228, 134,  
65) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 59.615, 59.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 134, 65) }
```

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

```
.background{ background-color: rgb(228,  
134, 65) }
```

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