

# Converting Colors

CIELCh(60, 57.205, 45.185)

Have a look what the booklet for  
CIELCh(60, 57.205, 45.185) contains.

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# Color

**CIELCh(60, 57.205, 45.185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0714B
RGB	224, 113, 75
RGB Percent	88%, 44%, 29%
CMY	0.1220, 0.5572, 0.7062
CMYK	0.00, 0.50, 0.67, 0.12
HSL	15°, 71%, 59%
HSV	15°, 67%, 88%
XYZ	37.8649, 28.1233, 10.0729
YIQ	141.8570, 78.3540, 11.7140

# Conversions

## Conversions Part 2

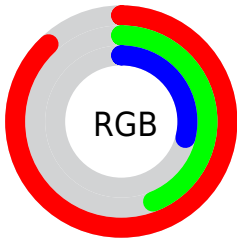
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 126, 75
Decimal	14709067
CIE Lab	60.00, 40.32, 40.58
CIE LCh	60, 57.205, 45.185
Yxy	28.1233, 0.4978, 0.3697
Android (android.graphics.Color)	4292899147 (0xFFE0714B)
YUV	141.8570, -32.9605, 72.0394
Hunter-Lab	53.0314, 34.6456, 25.8604

# Details

The CIELCh color **60, 57.205, 45.185** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **71, 34.518, 235.037**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 44.892, 51.256**, and **40, 57.173, 45.499** is the 20% darker color. If you saturate the color by 10%, you get **57, 67.692, 45.560**, and if you desaturate by 10%, it is **64, 46.918, 44.900**.

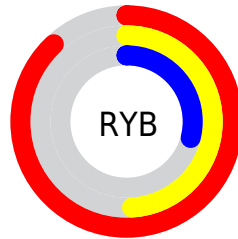
# Distribution



Red (88%)

Green (44%)

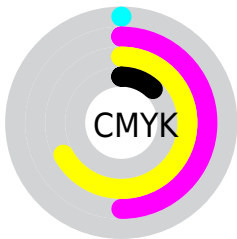
Blue (29%)



Red (88%)

Yellow (49%)

Blue (29%)

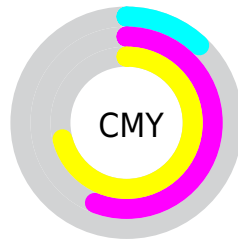


Cyan (0%)

Magenta (50%)

Yellow (67%)

Black (12%)



Cyan (12%)

Magenta (56%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 57.205, 45.185 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 60, 57.205, 45.185 by changing the saturation by 10% instead.



60, 57.205, 45.185

60, 57.205, 45.185

100, 57.205,  
45.185

50, 57.205, 45.185

80, 57.205, 45.185

40, 57.205, 45.185

90, 57.205, 45.185

30, 57.205, 45.185

20, 57.205, 45.185

10, 57.205, 45.185

0, 57.205, 45.185

60, 57.205, 45.185

60, 57.205, 45.185

57, 67.692, 45.560

64, 46.918, 44.900

54, 77.667, 45.767

68, 37.146, 44.772

51, 85.689, 45.259

72, 28.006, 44.811

50, 88.099, 45.085

77, 19.526, 44.993

81, 11.685, 45.283

86, 4.440, 45.606

91, 2.266, 226.456

96, 8.490, 226.788

98, 10.539,  
198.803

# Harmonies

# Complementary

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



60, 57.205, 45.185



71, 34.518, 235.037

# Rectangle

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



60, 57.205, 45.185



60, 57.205, 95.185



60, 57.205, 225.185



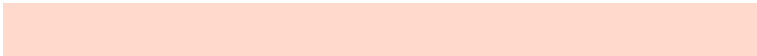
60, 57.205, 275.185

# Sweetspot

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



60, 57.203, 45.188



90, 15.932, 45.169



57, 74.447, 337.434



46, 10.995, 45.086



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



60, 57.203, 45.188



63, 79.270, 45.687



77, 59.598, 88.687



45, 3.907, 45.521



40, 73.159, 45.555



8, 21.574, 36.088





# Inverse Universe

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



71, 34.518, 235.037



76, 42.276, 239.556



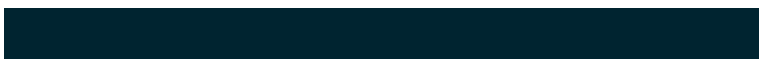
50, 65.106, 290.514



46, 3.697, 226.643



51, 34.800, 247.106

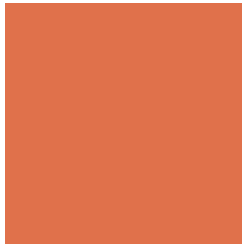


13, 13.765, 238.353



# Previews

## White Background



This preview shows how the CIELCh color 60, 57.205, 45.185 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 57.205, 45.185 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 × Fail

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

# CIELCh 60, 57.205, 45.185

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 57.205, 45.185.



This preview shows how white text looks on a background with the CIELCh color 60, 57.205, 45.185.

# 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

60, 57.205, 45.185

### Protanopia

60, 33.254, 95.595

### Deuteranopia

60, 42.506, 79.322



**Tritanopia**  
60, 49.956, 21.385



# Trichromacy



**Original Color**  
60, 57.205, 45.185

**Protanomaly**  
59, 37.287, 69.037

**Deuteranomaly**  
60, 45.361, 63.982

**Tritanomaly**  
60, 51.385, 31.315

# Monochromacy



**Original Color**  
60, 57.205, 45.185

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
58, 19.093, 43.394

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 57.205, 45.185 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(224, 113, 75)` looks like.

```
.text, #text, p{  
    color:rgb(224, 113, 75)  
}
```

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(224, 113, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 113, 75) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 57.205, 45.185 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(224, 113, 75) }
```

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

```
.border{ border-color:rgb(224, 113, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 113, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 113, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 113, 75);  
box-shadow:4px 4px 4px 4px rgb(224, 113,  
75) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 57.205, 45.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 113, 75) }
```

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

```
.background{ background-color: rgb(224,  
113, 75) }
```

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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