

Converting Colors

CIELCh(63, 67.542, 54.136)

Have a look what the booklet for
CIELCh(63, 67.542, 54.136) contains.

CIELCh(63, 67.461, 54.110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 67.461, 54.110)

Conversions

Conversions Part 1

Format	Color
Hex	EB7936
RGB	235, 121, 54
RGB Percent	92%, 47%, 21%
CMY	0.0786, 0.5256, 0.7884
CMYK	0.00, 0.49, 0.77, 0.08
HSL	22°, 82%, 57%
HSV	22°, 77%, 92%
XYZ	41.7448, 31.5869, 7.3825
YIQ	147.4480, 89.4510, 3.3310

Conversions

Conversions Part 2

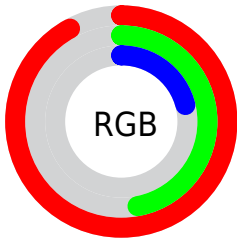
Format	Color
R _Y B	235, 160, 54
Decimal	15431990
CIE Lab	63.00, 39.55, 54.65
CIE LCh	63, 67.461, 54.110
Yxy	31.5869, 0.5172, 0.3913
Android (android.graphics.Color)	4293622070 (0xFFEB7936)
YUV	147.4480, -46.0699, 76.7831
Hunter-Lab	56.2022, 34.2287, 31.5535

Details

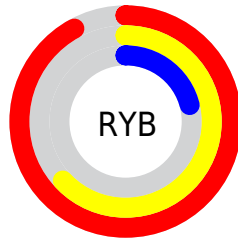
The CIELCh color **63, 67.461, 54.110** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **66, 43.550, 257.727**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 52.238, 64.693**, and **43, 66.645, 53.636** is the 20% darker color. If you saturate the color by 10%, you get **60, 76.786, 53.057**, and if you desaturate by 10%, it is **66, 57.407, 54.850**.

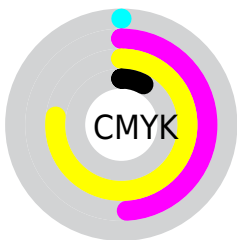
Distribution



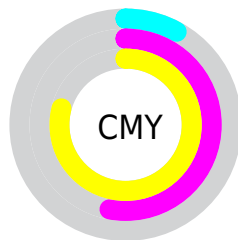
- Red (92%)
- Green (47%)
- Blue (21%)



- Red (92%)
- Yellow (63%)
- Blue (21%)



- Cyan (0%)
- Magenta (49%)
- Yellow (77%)
- Black (8%)



- Cyan (8%)
- Magenta (53%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 67.461, 54.110 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 63, 67.461, 54.110 by changing the saturation by 10% instead.

 63, 67.461, 54.110

 63, 67.461, 54.110

 100, 67.461,
54.110

 53, 67.461, 54.110

 83, 67.461, 54.110

 43, 67.461, 54.110

 93, 67.461, 54.110

 33, 67.461, 54.110

 23, 67.461, 54.110

 13, 67.461, 54.110

 3, 67.461, 54.110

 0, 67.461, 54.110

 63, 67.461, 54.110

 63, 67.461, 54.110

 60, 76.786, 53.057

 66, 57.407, 54.850

57, 84.061, 51.227

70, 47.405, 55.518

57, 85.968, 50.669

74, 37.806, 56.216

78, 28.746, 56.975

82, 20.260, 57.794

86, 12.332, 58.654

90, 4.921, 59.502

94, 2.022, 240.800

98, 6.579, 202.890

Harmonies

Complementary

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



63, 67.461, 54.110



66, 43.550, 257.727

Rectangle

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



63, 67.461, 54.110



63, 67.461, 104.110



63, 67.461, 234.110



63, 67.461, 284.110

Sweetspot

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



63, 67.459, 54.113



90, 18.172, 58.128



55, 78.510, 345.303



46, 12.737, 57.819



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 67.459, 54.113



63, 86.219, 52.197



84, 74.977, 95.617



47, 4.004, 59.306



44, 70.312, 51.302



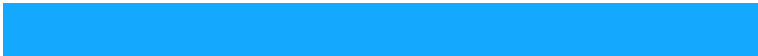
11, 22.794, 47.656

Inverse Universe

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



66, 43.550, 257.727



66, 52.915, 264.995



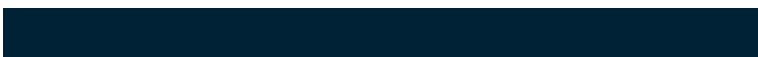
42, 92.898, 299.194



47, 3.839, 241.314



46, 42.897, 267.941



12, 16.635, 258.978

Previews

White Background



This preview shows how the CIELCh color 63, 67.461, 54.110 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 63, 67.461, 54.110 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 63, 67.461, 54.110

Background



This preview shows how black text looks on a background with the CIELCh color 63, 67.461, 54.110.



This preview shows how white text looks on a background with the CIELCh color 63, 67.461, 54.110.

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

63, 67.461, 54.110

Protanopia

63, 48.517, 95.666

Deuteranopia

63, 56.843, 81.539



Tritanopia
63, 51.919, 21.013

Trichromacy



Original Color
63, 67.461, 54.110

Protanomaly
62, 51.078, 76.269

Deuteranomaly
63, 58.949, 69.776

Tritanomaly
63, 55.294, 36.191

Monochromacy



Original Color
63, 67.461, 54.110

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 22.876, 57.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 67.461, 54.110 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(235, 121, 54)` looks like.

```
.text, #text, p{  
    color:rgb(235, 121, 54)  
}
```

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(235, 121, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 121, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 67.461, 54.110 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(235, 121, 54) }
```

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

```
.border{ border-color:rgb(235, 121, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 121, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 121, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 121, 54);  
box-shadow:4px 4px 4px 4px rgb(235, 121,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 67.461, 54.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 121, 54) }
```

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

```
.background{ background-color: rgb(235,  
121, 54) }
```

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