

Converting Colors

CIELCh(63, 57.664, 50.694)

Have a look what the booklet for
CIELCh(63, 57.664, 50.694) contains.

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Color

CIELCh(63, 57.759, 50.686)

Conversions

Conversions Part 1

Format	Color
Hex	E57C4A
RGB	229, 124, 74
RGB Percent	90%, 49%, 29%
CMY	0.1018, 0.5135, 0.7096
CMYK	0.00, 0.46, 0.68, 0.10
HSL	19°, 75%, 59%
HSV	19°, 68%, 90%
XYZ	40.7791, 31.5869, 10.4331
YIQ	149.6950, 78.6300, 6.7100

Conversions

Conversions Part 2

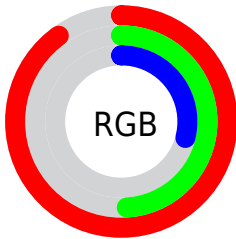
Format	Color
R _Y B	229, 148, 74
Decimal	15039562
CIE Lab	63.00, 36.59, 44.69
CIE LCh	63, 57.759, 50.686
Yxy	31.5869, 0.4925, 0.3815
Android (android.graphics.Color)	4293229642 (0xFFE57C4A)
YUV	149.6950, -37.3176, 69.5505
Hunter-Lab	56.2022, 31.1618, 28.3353

Details

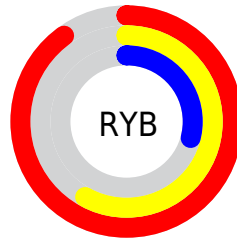
The CIELCh color **63, 57.759, 50.686** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **69, 36.938, 246.589**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 44.659, 60.107**, and **43, 57.703, 50.706** is the 20% darker color. If you saturate the color by 10%, you get **60, 67.974, 50.369**, and if you desaturate by 10%, it is **67, 47.641, 50.985**.

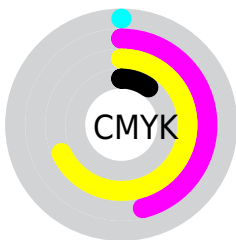
Distribution



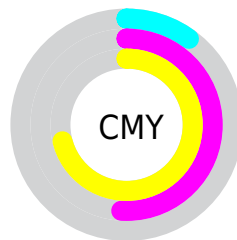
- Red (90%)
- Green (49%)
- Blue (29%)



- Red (90%)
- Yellow (58%)
- Blue (29%)



- Cyan (0%)
- Magenta (46%)
- Yellow (68%)
- Black (10%)



- Cyan (10%)
- Magenta (51%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 57.759, 50.686 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, 57.759, 50.686 by changing the saturation by 10% instead.

63, 57.759, 50.686

63, 57.759, 50.686

100, 57.759,
50.686

53, 57.759, 50.686

83, 57.759, 50.686

43, 57.759, 50.686

93, 57.759, 50.686

33, 57.759, 50.686

23, 57.759, 50.686

13, 57.759, 50.686

3, 57.759, 50.686

0, 57.759, 50.686

63, 57.759, 50.686

63, 57.759, 50.686

60, 67.974, 50.369

67, 47.641, 50.985

57, 77.499, 49.755

71, 37.976, 51.356

54, 84.976, 48.375

75, 28.895, 51.829

54, 86.559, 48.079

79, 20.432, 52.396

83, 12.567, 53.033

88, 5.259, 53.688

92, 1.545, 234.901

96, 7.321, 227.706

98, 8.837, 198.922

Harmonies

Complementary

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



63, 57.759, 50.686



69, 36.938, 246.589

Rectangle

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



63, 57.759, 50.686



63, 57.759, 100.686



63, 57.759, 230.686



63, 57.759, 280.686

Sweetspot

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



63, 57.757, 50.689



90, 15.656, 52.873



57, 73.497, 340.962



47, 10.795, 52.690



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, 57.757, 50.689



65, 77.807, 50.193



81, 64.420, 93.333



46, 3.924, 53.577



42, 71.400, 48.647



10, 22.012, 42.605

Inverse Universe

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



69, 36.938, 246.589



72, 45.260, 251.972



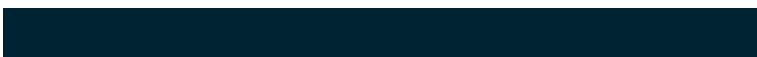
48, 74.030, 294.361



46, 3.739, 235.256



48, 38.849, 260.075



12, 15.097, 250.762

Previews

White Background



This preview shows how the CIELCh color 63, 57.759, 50.686 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, 57.759, 50.686 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, 57.759, 50.686

Background



This preview shows how black text looks on a background with the CIELCh color 63, 57.759, 50.686.



This preview shows how white text looks on a background with the CIELCh color 63, 57.759, 50.686.

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, 57.759, 50.686

Protanopia

63, 38.211, 95.927

Deuteranopia

63, 46.551, 79.722



Tritanopia
63, 47.597, 19.903

Trichromacy



Original Color
63, 57.759, 50.686

Protanomaly
62, 41.250, 74.258

Deuteranomaly
63, 48.934, 66.811

Tritanomaly
63, 49.542, 32.735

Monochromacy



Original Color
63, 57.759, 50.686

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 19.475, 53.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 57.759, 50.686 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, 124, 74)` looks like.

```
.text, #text, p{  
    color:rgb(229, 124, 74)  
}
```

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, 124, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 124, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 57.759, 50.686 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, 124, 74) }
```

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

```
.border{ border-color:rgb(229, 124, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 124, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 124, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 124, 74);  
box-shadow:4px 4px 4px 4px rgb(229, 124,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 57.759, 50.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 124, 74) }
```

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

```
.background{ background-color: rgb(229,  
124, 74) }
```

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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