

Converting Colors

CIELCh(60, 60.652, 42.501)

Have a look what the booklet for
CIELCh(60, 60.652, 42.501) contains.

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Color

CIELCh(60, 60.502, 42.546)

Conversions

Conversions Part 1

Format	Color
Hex	E66D4B
RGB	230, 109, 75
RGB Percent	90%, 43%, 29%
CMY	0.0996, 0.5739, 0.7071
CMYK	0.00, 0.53, 0.67, 0.10
HSL	13°, 75%, 60%
HSV	13°, 67%, 90%
XYZ	39.1939, 28.1233, 9.9631
YIQ	141.3030, 83.0300, 15.0780

Conversions

Conversions Part 2

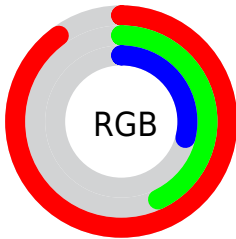
Format	Color
R _Y B	230, 119, 75
Decimal	15101259
CIE Lab	60.00, 44.57, 40.91
CIE LCh	60, 60.502, 42.546
Yxy	28.1233, 0.5072, 0.3639
Android (android.graphics.Color)	4293291339 (0xFFE66D4B)
YUV	141.3030, -32.6874, 77.7873
Hunter-Lab	53.0314, 39.1187, 25.9831

Details

The CIELCh color **60, 60.502, 42.546** 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 **74, 35.291, 229.260**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 45.360, 48.291**, and **40, 60.594, 42.554** is the 20% darker color. If you saturate the color by 10%, you get **57, 71.378, 43.316**, and if you desaturate by 10%, it is **64, 49.769, 41.906**.

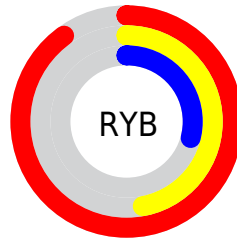
Distribution



Red (90%)

Green (43%)

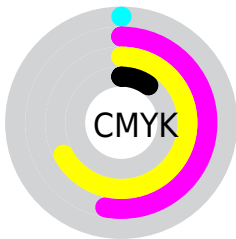
Blue (29%)



Red (90%)

Yellow (47%)

Blue (29%)

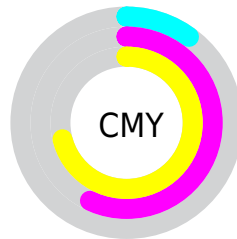


Cyan (0%)

Magenta (53%)

Yellow (67%)

Black (10%)



Cyan (10%)

Magenta (57%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 60.502, 42.546 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, 60.502, 42.546 by changing the saturation by 10% instead.

 60, 60.502, 42.546

 60, 60.502, 42.546

 100, 60.502,
42.546

 50, 60.502, 42.546

 80, 60.502, 42.546

 40, 60.502, 42.546

 90, 60.502, 42.546

 30, 60.502, 42.546

 20, 60.502, 42.546

 10, 60.502, 42.546

 0, 60.502, 42.546

 60, 60.502, 42.546

 60, 60.502, 42.546

 57, 71.378, 43.316

 64, 49.769, 41.906

 54, 81.591, 43.922

 68, 39.538, 41.468

51, 89.568, 43.775

73, 29.955, 41.238

51, 91.336, 43.768

77, 21.063, 41.184

82, 12.849, 41.267

87, 5.273, 41.415

92, 1.721, 222.174

97, 7.766, 210.227

98, 8.656, 198.935

Harmonies

Complementary

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



60, 60.502, 42.546



74, 35.291, 229.260

Rectangle

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



60, 60.502, 42.546



60, 60.502, 92.546



60, 60.502, 222.546



60, 60.502, 272.546

Sweetspot

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



60, 60.500, 42.549



89, 16.194, 41.235



58, 78.363, 335.966



46, 11.179, 41.208



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, 60.500, 42.549



61, 81.856, 43.604



77, 60.331, 85.948



45, 4.041, 41.390



40, 75.233, 44.194



9, 23.367, 34.513

Inverse Universe

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



74, 35.291, 229.260



78, 41.835, 233.237



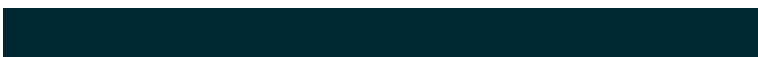
52, 64.334, 288.852



47, 3.813, 222.194



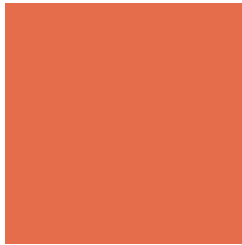
54, 34.009, 239.642



14, 14.025, 232.306

Previews

White Background



This preview shows how the CIELCh color 60, 60.502, 42.546 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, 60.502, 42.546 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, 60.502, 42.546

Background



This preview shows how black text looks on a background with the CIELCh color 60, 60.502, 42.546.



This preview shows how white text looks on a background with the CIELCh color 60, 60.502, 42.546.

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, 60.502, 42.546

Protanopia

60, 32.732, 95.499

Deuteranopia

60, 43.439, 79.749



Tritanopia
60, 53.906, 22.380

Trichromacy



Original Color
60, 60.502, 42.546

Protanomaly
59, 37.390, 66.625

Deuteranomaly
59, 46.889, 62.422

Tritanomaly
60, 55.100, 30.426

Monochromacy



Original Color
60, 60.502, 42.546

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 20.131, 40.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 60.502, 42.546 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(230, 109, 75)` looks like.

```
.text, #text, p{  
    color:rgb(230, 109, 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(230, 109, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 109, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 60.502, 42.546 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(230, 109, 75) }
```

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

```
.border{ border-color:rgb(230, 109, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 109, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 109, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 109, 75);  
box-shadow:4px 4px 4px 4px rgb(230, 109,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 60.502, 42.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 109, 75) }
```

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

```
.background{ background-color: rgb(230,  
109, 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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