

Converting Colors

CIELCh(61, 83.550, 52.623)

Have a look what the booklet for
CIELCh(61, 83.550, 52.623) contains.

CIELCh(61, 83.617, 52.691)	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(61, 83.617, 52.691)

Conversions

Conversions Part 1

Format	Color
Hex	F56812
RGB	245, 104, 18
RGB Percent	96%, 41%, 7%
CMY	0.0404, 0.5931, 0.9308
CMYK	0.00, 0.58, 0.93, 0.04
HSL	23°, 92%, 51%
HSV	23°, 93%, 96%
XYZ	42.5783, 29.2481, 3.9578
YIQ	136.3550, 111.6420, 3.1460

Conversions

Conversions Part 2

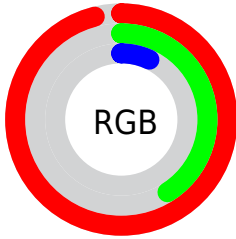
Format	Color
R_{YB}	245, 156, 18
Decimal	16082962
CIE Lab	61.00, 50.68, 66.51
CIE LCh	61, 83.617, 52.691
Yxy	29.2481, 0.5618, 0.3859
Android (android.graphics.Color)	4294273042 (0xFFFF56812)
YUV	136.3550, -58.3490, 95.2817
Hunter-Lab	54.0815, 45.8900, 33.5181

Details

The CIELCh color **61, 83.617, 52.691** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **63, 52.382, 266.670**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 63.674, 62.978**, and **41, 74.183, 46.144** is the 20% darker color. If you saturate the color by 10%, you get **59, 88.264, 51.135**, and if you desaturate by 10%, it is **64, 75.171, 54.239**.

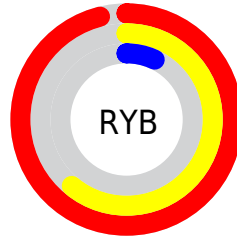
Distribution



Red (96%)

Green (41%)

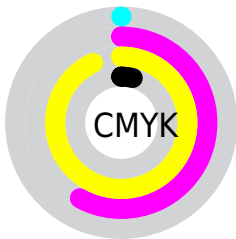
Blue (7%)



Red (96%)

Yellow (61%)

Blue (7%)

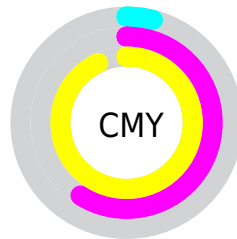


Cyan (0%)

Magenta (58%)

Yellow (93%)

Black (4%)



Cyan (4%)

Magenta (59%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 83.617, 52.691 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 61, 83.617, 52.691 by changing the saturation by 10% instead.

 61, 83.617, 52.691

 61, 83.617, 52.691

 100, 83.617,
52.691

 51, 83.617, 52.691

 81, 83.617, 52.691

 41, 83.617, 52.691

 91, 83.617, 52.691

 31, 83.617, 52.691

 21, 83.617, 52.691

 11, 83.617, 52.691

 1, 83.617, 52.691

 0, 83.617, 52.691

 61, 83.617, 52.691

 61, 83.617, 52.691

 59, 88.264, 51.135

 64, 75.171, 54.239

67, 65.184, 55.202

71, 54.823, 55.963

74, 44.682, 56.699

78, 35.020, 57.476

82, 25.927, 58.309

87, 17.413, 59.190

91, 9.450, 60.095

95, 1.993, 60.840

Harmonies

Complementary

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



61, 83.617, 52.691



63, 52.382, 266.670

Rectangle

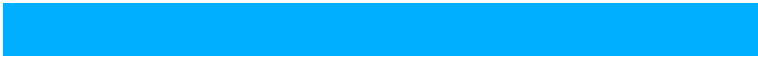
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 83.617, 52.691



61, 83.617, 102.691



61, 83.617, 232.691



61, 83.617, 282.691

Sweetspot

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



61, 83.614, 52.693



88, 22.520, 58.721



54, 85.615, 348.702



45, 15.781, 58.344



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 83.614, 52.693



61, 91.138, 51.051



86, 84.493, 93.979



49, 4.153, 60.389



46, 71.469, 51.785



13, 25.208, 49.542

Inverse Universe

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



63, 52.382, 266.670



63, 57.381, 270.484



36, 115.415, 303.230



49, 3.987, 242.460



47, 44.643, 269.415



13, 18.056, 261.385

Previews

White Background



This preview shows how the CIELCh color 61, 83.617, 52.691 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 61, 83.617, 52.691 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 61, 83.617, 52.691

Background



This preview shows how black text looks on a background with the CIELCh color 61, 83.617, 52.691.



This preview shows how white text looks on a background with the CIELCh color 61, 83.617, 52.691.

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

61, 83.617, 52.691

Protanopia

61, 59.287, 95.370

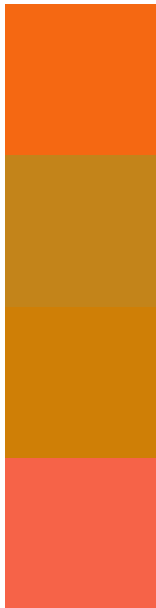
Deuteranopia

61, 66.193, 83.649



Tritanopia
61, 63.844, 25.074

Trichromacy



Original Color
61, 83.617, 52.691

Protanomaly
60, 62.660, 75.054

Deuteranomaly
60, 69.768, 70.056

Tritanomaly
61, 70.229, 38.674

Monochromacy



Original Color
61, 83.617, 52.691

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 29.886, 56.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 83.617, 52.691 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(245, 104, 18)` looks like.

```
.text, #text, p{  
    color:rgb(245, 104, 18)  
}
```

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(245, 104, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 104, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 83.617, 52.691 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(245, 104, 18) }
```

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

```
.border{ border-color:rgb(245, 104, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 104, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 104, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 104, 18);  
box-shadow:4px 4px 4px 4px rgb(245, 104,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 83.617, 52.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 104, 18) }
```

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

```
.background{ background-color: rgb(245,  
104, 18) }
```

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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