

Converting Colors

CIELCh(61, 89.566, 49.115)

Have a look what the booklet for
CIELCh(61, 89.566, 49.115) contains.

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Color

CIELCh(61, 89.539, 49.152)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E10
RGB	255, 94, 16
RGB Percent	100%, 37%, 6%
CMY	0.0006, 0.6319, 0.9380
CMYK	0.00, 0.63, 0.94, 0.00
HSL	20°, 100%, 53%
HSV	20°, 94%, 100%
XYZ	45.2645, 29.2481, 3.7424
YIQ	133.2470, 120.9940, 9.8740

Conversions

Conversions Part 2

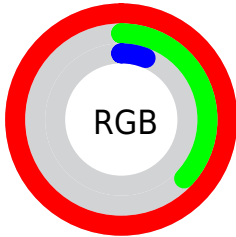
Format	Color
R_{YB}	255, 132, 16
Decimal	16735760
CIE _{Lab}	61.00, 58.56, 67.73
CIE _{LCh}	61, 89.539, 49.152
Yxy	29.2481, 0.5784, 0.3738
Android (android.graphics.Color)	4294925840 (0xFFFF5E10)
YUV	133.2470, -57.8028, 106.7774
Hunter-Lab	54.0815, 54.7560, 33.7542

Details

The CIELCh color **61, 89.539, 49.152** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **69, 49.735, 258.806**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 64.846, 58.909**, and **41, 80.075, 42.736** is the 20% darker color. If you saturate the color by 10%, you get **59, 93.831, 48.080**, and if you desaturate by 10%, it is **64, 80.530, 50.294**.

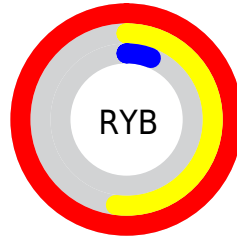
Distribution



Red (100%)

Green (37%)

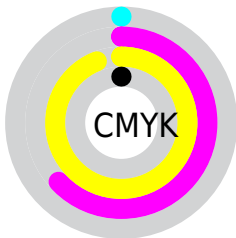
Blue (6%)



Red (100%)

Yellow (52%)

Blue (6%)

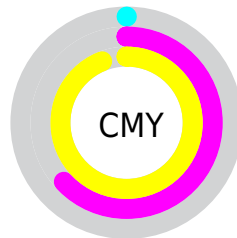


Cyan (0%)

Magenta (63%)

Yellow (94%)

Black (0%)



Cyan (0%)

Magenta (63%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 89.539, 49.152 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, 89.539, 49.152 by changing the saturation by 10% instead.

 61, 89.539, 49.152

 61, 89.539, 49.152

 100, 89.539,
49.152

 51, 89.539, 49.152

 81, 89.539, 49.152

 41, 89.539, 49.152

 91, 89.539, 49.152

 31, 89.539, 49.152

 21, 89.539, 49.152

 11, 89.539, 49.152

 1, 89.539, 49.152

 0, 89.539, 49.152

 61, 89.539, 49.152

 61, 89.539, 49.152

 59, 93.831, 48.080

 64, 80.530, 50.294

67, 69.782, 50.806

71, 58.645, 51.136

75, 47.786, 51.485

79, 37.488, 51.922

84, 27.847, 52.458

89, 18.877, 53.079

93, 10.543, 53.757

98, 2.795, 54.355

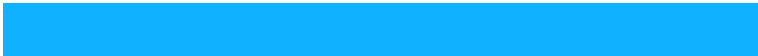
Harmonies

Complementary

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



61, 89.539, 49.152



69, 49.735, 258.806

Rectangle

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



61, 89.539, 49.152



61, 89.539, 99.152



61, 89.539, 229.152



61, 89.539, 279.152

Sweetspot

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



61, 89.536, 49.154



87, 22.580, 52.809



57, 90.939, 345.264



44, 15.847, 52.545



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, 89.536, 49.154



59, 93.877, 48.079



86, 84.987, 89.894



51, 4.279, 54.048



45, 75.130, 48.682



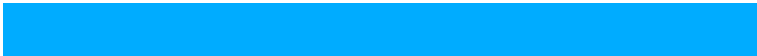
13, 28.219, 45.893

Inverse Universe

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



69, 49.735, 258.806



67, 51.788, 262.024



39, 114.390, 301.981



51, 4.077, 235.773



51, 41.293, 261.046



16, 17.814, 253.846

Previews

White Background



This preview shows how the CIELCh color 61, 89.539, 49.152 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, 89.539, 49.152 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, 89.539, 49.152

Background



This preview shows how black text looks on a background with the CIELCh color 61, 89.539, 49.152.



This preview shows how white text looks on a background with the CIELCh color 61, 89.539, 49.152.

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, 89.539, 49.152

Protanopia

61, 58.988, 95.364

Deuteranopia

61, 66.193, 83.649



Tritanopia
61, 70.954, 27.116

Trichromacy



Original Color
61, 89.539, 49.152

Protanomaly
59, 63.601, 72.007

Deuteranomaly
60, 71.168, 67.137

Tritanomaly
61, 77.367, 37.969

Monochromacy



Original Color
61, 89.539, 49.152

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 31.738, 52.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 89.539, 49.152 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(255, 94, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 16)  
}
```

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(255, 94, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 89.539, 49.152 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(255, 94, 16) }
```

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

```
.border{ border-color:rgb(255, 94, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 89.539, 49.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 16) }
```

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

```
.background{ background-color: rgb(255, 94,  
16) }
```

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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