

Converting Colors

CIELCh(61, 91.585, 50.527)

Have a look what the booklet for
CIELCh(61, 91.585, 50.527) contains.

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Color

CIELCh(61, 91.688, 50.407)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E00
RGB	255, 94, 0
RGB Percent	100%, 37%, 0%
CMY	0.0002, 0.6315, 1.0000
CMYK	0.00, 0.63, 1.00, 0.00
HSL	22°, 100%, 50%
HSV	22°, 100%, 100%
XYZ	45.2201, 29.2481, 3.2602
YIQ	131.4230, 126.1300, 4.8980

Conversions

Conversions Part 2

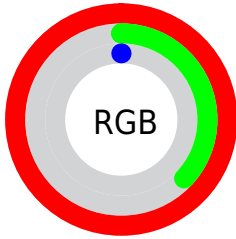
Format	Color
R_{YB}	255, 149, 0
Decimal	16735744
CIE _{Lab}	61.00, 58.44, 70.65
CIE _{LCh}	61, 91.688, 50.407
Yxy	29.2481, 0.5818, 0.3763
Android (android.graphics.Color)	4294925824 (0xFFFF5E00)
YUV	131.4230, -64.7915, 108.3770
Hunter-Lab	54.0815, 54.6093, 34.2829

Details

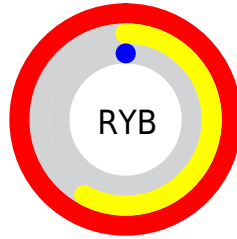
The CIELCh color **61, 91.688, 50.407** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **64, 56.144, 268.877**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 67.378, 60.508**, and **41, 80.075, 42.736** is the 20% darker color. If you saturate the color by 10%, you get **61, 91.677, 50.405**, and if you desaturate by 10%, it is **64, 84.675, 52.439**.

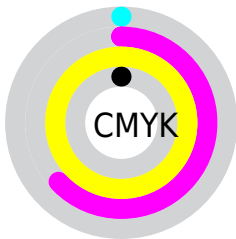
Distribution



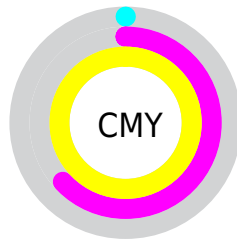
- Red (100%)
- Green (37%)
- Blue (0%)



- Red (100%)
- Yellow (58%)
- Blue (0%)



- Cyan (0%)
- Magenta (63%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (63%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 91.688, 50.407 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, 91.688, 50.407 by changing the saturation by 10% instead.

61, 91.688, 50.407

61, 91.688, 50.407

100, 91.688,
50.407

51, 91.688, 50.407

81, 91.688, 50.407

41, 91.688, 50.407

91, 91.688, 50.407

31, 91.688, 50.407

21, 91.688, 50.407

11, 91.688, 50.407

1, 91.688, 50.407

0, 91.688, 50.407

61, 91.688, 50.407

61, 91.688, 50.407

61, 91.677, 50.405

64, 84.675, 52.439

67, 75.250, 53.688

70, 64.627, 54.483

74, 53.854, 55.147

78, 43.426, 55.822

82, 33.549, 56.555

86, 24.287, 57.352

91, 15.634, 58.199

95, 7.553, 59.061

Harmonies

Complementary

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



61, 91.688, 50.407



64, 56.144, 268.877

Rectangle

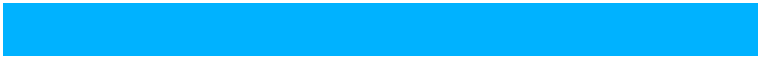
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 91.688, 50.407



61, 91.688, 100.407



61, 91.688, 230.407



61, 91.688, 280.407

Sweetspot

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



61, 91.677, 50.405



86, 24.291, 57.352



56, 88.463, 350.689



44, 16.822, 57.009



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, 91.677, 50.405



61, 91.691, 50.404



88, 88.329, 93.211



51, 4.288, 59.103



46, 73.403, 51.056



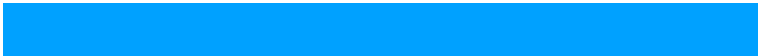
14, 27.750, 49.403

Inverse Universe

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



64, 56.144, 268.877



64, 56.153, 268.878



35, 126.163, 304.647



51, 4.109, 241.116



49, 44.663, 267.908



15, 18.919, 260.641

Previews

White Background



This preview shows how the CIELCh color 61, 91.688, 50.407 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, 91.688, 50.407 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, 91.688, 50.407

Background



This preview shows how black text looks on a background with the CIELCh color 61, 91.688, 50.407.



This preview shows how white text looks on a background with the CIELCh color 61, 91.688, 50.407.

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, 91.688, 50.407

Protanopia

61, 60.413, 95.388

Deuteranopia

61, 66.193, 83.649



Tritanopia
61, 70.954, 27.116

Trichromacy



Original Color
61, 91.688, 50.407

Protanomaly
59, 65.451, 72.676

Deuteranomaly
60, 72.056, 67.489

Tritanomaly
61, 79.080, 39.785

Monochromacy



Original Color
61, 91.688, 50.407

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 34.112, 56.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 91.688, 50.407 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 91.688, 50.407 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, 0) }
```

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

```
.border{ border-color:rgb(255, 94, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 91.688, 50.407 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, 0) }
```

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

```
.background{ background-color: rgb(255, 94,  
0) }
```

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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