

Converting Colors

CIELCh(61, 90.646, 51.311)

Have a look what the booklet for
CIELCh(61, 90.646, 51.311) contains.

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Color

CIELCh(61, 90.574, 51.077)

Conversions

Conversions Part 1

Format	Color
Hex	FD6000
RGB	253, 96, 0
RGB Percent	99%, 38%, 0%
CMY	0.0079, 0.6235, 1.0000
CMYK	0.00, 0.62, 1.00, 0.01
HSL	23°, 100%, 50%
HSV	23°, 100%, 99%
XYZ	44.6904, 29.2481, 3.2899
YIQ	131.9990, 124.3880, 3.4280

Conversions

Conversions Part 2

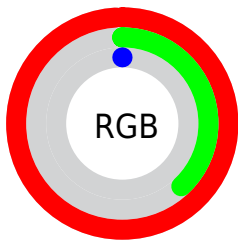
Format	Color
R_{YB}	253, 155, 0
Decimal	16605184
CIE Lab	61.00, 56.91, 70.47
CIE LCh	61, 90.574, 51.077
Yxy	29.2481, 0.5787, 0.3787
Android (android.graphics.Color)	4294795264 (0xFFFD6000)
YUV	131.9990, -65.0755, 106.1179
Hunter-Lab	54.0815, 52.8610, 34.2503

Details

The CIELCh color **61, 90.574, 51.077** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **63, 57.043, 270.488**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 67.264, 61.457**, and **41, 79.052, 43.375** is the 20% darker color. If you saturate the color by 10%, you get **61, 90.571, 51.079**, and if you desaturate by 10%, it is **64, 83.712, 53.201**.

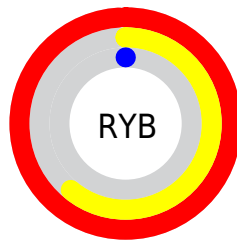
Distribution



Red (99%)

Green (38%)

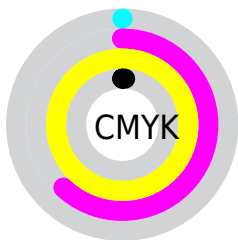
Blue (0%)



Red (99%)

Yellow (61%)

Blue (0%)

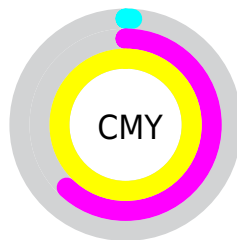


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 90.574, 51.077 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, 90.574, 51.077 by changing the saturation by 10% instead.

61, 90.574, 51.077

61, 90.574, 51.077

100, 90.574,
51.077

51, 90.574, 51.077

81, 90.574, 51.077

41, 90.574, 51.077

91, 90.574, 51.077

31, 90.574, 51.077

21, 90.574, 51.077

11, 90.574, 51.077

1, 90.574, 51.077

0, 90.574, 51.077

61, 90.574, 51.077

61, 90.574, 51.077

61, 90.571, 51.079

64, 83.712, 53.201

67, 74.468, 54.547

70, 64.017, 55.432

74, 53.393, 56.178

78, 43.091, 56.924

82, 33.318, 57.718

86, 24.139, 58.568

90, 15.551, 59.462

95, 7.519, 60.366

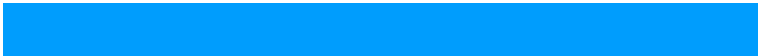
Harmonies

Complementary

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



61, 90.574, 51.077



63, 57.043, 270.488

Rectangle

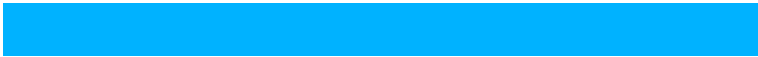
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 90.574, 51.077



61, 90.574, 101.077



61, 90.574, 231.077



61, 90.574, 281.077

Sweetspot

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



61, 90.571, 51.079



87, 24.296, 58.567



56, 87.956, 350.676



44, 16.819, 58.202



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, 90.571, 51.079



61, 91.128, 51.063



88, 87.818, 93.215



51, 4.296, 60.409



47, 72.961, 51.725



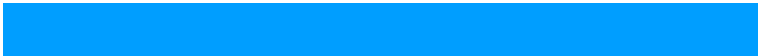
14, 27.644, 50.359

Inverse Universe

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



63, 57.043, 270.488



63, 57.404, 270.512



34, 125.398, 304.640



51, 4.123, 242.488



48, 45.633, 269.548



15, 19.245, 262.298

Previews

White Background



This preview shows how the CIELCh color 61, 90.574, 51.077 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, 90.574, 51.077 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, 90.574, 51.077

Background



This preview shows how black text looks on a background with the CIELCh color 61, 90.574, 51.077.



This preview shows how white text looks on a background with the CIELCh color 61, 90.574, 51.077.

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, 90.574, 51.077

Protanopia

61, 60.676, 95.392

Tritanopia

61, 70.758, 26.700

Trichromacy



Original Color
61, 90.574, 51.077

Protanomaly
60, 65.658, 73.246

Tritanomaly
61, 78.470, 40.092

Monochromacy



Original Color
61, 90.574, 51.077

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 33.665, 56.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 90.574, 51.077 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(253, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 96, 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(253, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 96, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 90.574, 51.077 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(253, 96, 0) }
```

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

```
.border{ border-color:rgb(253, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 90.574, 51.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 96, 0) }
```

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

```
.background{ background-color: rgb(253, 96,  
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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