

Converting Colors

CIELCh(61, 90.143, 50.983)

Have a look what the booklet for
CIELCh(61, 90.143, 50.983) contains.

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Color

CIELCh(61, 90.307, 50.927)

Conversions

Conversions Part 1

Format	Color
Hex	FD6002
RGB	253, 96, 2
RGB Percent	99%, 38%, 1%
CMY	0.0079, 0.6235, 0.9922
CMYK	0.00, 0.62, 0.99, 0.01
HSL	22°, 98%, 50%
HSV	22°, 99%, 99%
XYZ	44.6959, 29.2481, 3.3467
YIQ	132.2270, 123.7460, 4.0500

Conversions

Conversions Part 2

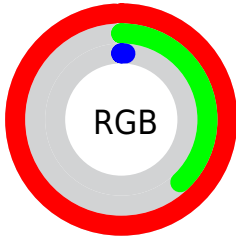
Format	Color
RYB	253, 152, 2
Decimal	16605186
CIELab	61.00, 56.92, 70.11
CIElCh	61, 90.307, 50.927
Yxy	29.2481, 0.5783, 0.3784
Android (android.graphics.Color)	4294795266 (0xFFFD6002)
YUV	132.2270, -64.2019, 105.9179
Hunter-Lab	54.0815, 52.8792, 34.1880

Details

The CIELCh color **61, 90.307, 50.927** 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, 56.120, 269.361**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 66.904, 61.247**, and **41, 79.052, 43.375** is the 20% darker color. If you saturate the color by 10%, you get **61, 90.821, 50.777**, and if you desaturate by 10%, it is **64, 83.255, 52.987**.

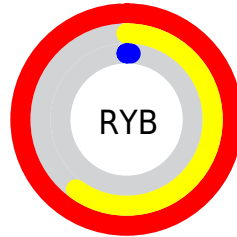
Distribution



Red (99%)

Green (38%)

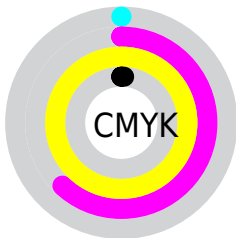
Blue (1%)



Red (99%)

Yellow (60%)

Blue (1%)

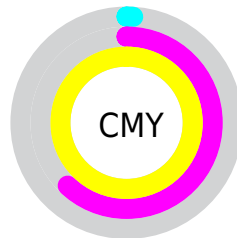


Cyan (0%)

Magenta (62%)

Yellow (99%)

Black (1%)



Cyan (1%)

Magenta (62%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 90.307, 50.927 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, 90.307, 50.927 by changing the saturation by 10% instead.

61, 90.307, 50.927

61, 90.307, 50.927

100, 90.307,
50.927

51, 90.307, 50.927

81, 90.307, 50.927

41, 90.307, 50.927

91, 90.307, 50.927

31, 90.307, 50.927

21, 90.307, 50.927

11, 90.307, 50.927

1, 90.307, 50.927

0, 90.307, 50.927

61, 90.307, 50.927

61, 90.307, 50.927

61, 90.821, 50.777

64, 83.255, 52.987

67, 73.804, 54.235

70, 63.264, 55.059

74, 52.616, 55.765

78, 42.325, 56.483

82, 32.580, 57.254

86, 23.438, 58.085

91, 14.892, 58.960

95, 6.903, 59.843

Harmonies

Complementary

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



61, 90.307, 50.927



63, 56.120, 269.361

Rectangle

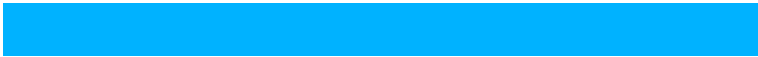
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 90.307, 50.927



61, 90.307, 100.927



61, 90.307, 230.927



61, 90.307, 280.927

Sweetspot

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



61, 90.304, 50.929



87, 24.292, 58.016



56, 87.946, 350.461



44, 16.819, 57.661



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, 90.304, 50.929



61, 91.382, 50.762



88, 87.705, 93.297



51, 4.292, 59.817



47, 73.161, 51.419



14, 27.691, 49.924

Inverse Universe

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



63, 56.120, 269.361



63, 56.831, 269.779



35, 124.737, 304.514



51, 4.116, 241.867



48, 45.189, 268.812



15, 19.096, 261.552

Previews

White Background



This preview shows how the CIELCh color 61, 90.307, 50.927 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, 90.307, 50.927 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, 90.307, 50.927

Background



This preview shows how black text looks on a background with the CIELCh color 61, 90.307, 50.927.



This preview shows how white text looks on a background with the CIELCh color 61, 90.307, 50.927.

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, 90.307, 50.927

Protanopia

61, 60.676, 95.392

Tritanopia

61, 70.758, 26.700

Trichromacy



Original Color
61, 90.307, 50.927

Protanomaly
60, 65.461, 73.179

Tritanomaly
61, 78.181, 39.798

Monochromacy



Original Color
61, 90.307, 50.927

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 33.267, 56.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 90.307, 50.927 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(253, 96, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 61, 90.307, 50.927 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, 2) }
```

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

```
.border{ border-color:rgb(253, 96, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 96, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 96, 2);  
box-shadow:4px 4px 4px 4px rgb(253, 96, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 90.307, 50.927 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, 2) }
```

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

```
.background{ background-color: rgb(253, 96,  
2) }
```

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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