

Converting Colors

CIELCh(61, 92.152, 49.862)

Have a look what the booklet for
CIELCh(61, 92.152, 49.862) contains.

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Color

CIELCh(61, 91.625, 50.025)

Conversions

Conversions Part 1

Format	Color
Hex	FF5D03
RGB	255, 93, 3
RGB Percent	100%, 36%, 1%
CMY	0.0000, 0.6337, 0.9896
CMYK	0.00, 0.63, 0.99, 0.00
HSL	22°, 100%, 51%
HSV	22°, 99%, 100%
XYZ	45.3694, 29.2481, 3.3299
YIQ	131.1780, 125.4420, 6.3540

Conversions

Conversions Part 2

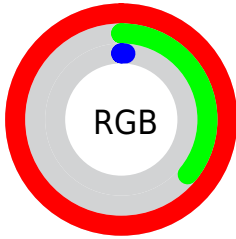
Format	Color
RYB	255, 143, 3
Decimal	16735491
CIELab	61.00, 58.86, 70.21
CIElCh	61, 91.625, 50.025
Yxy	29.2481, 0.5821, 0.3752
Android (android.graphics.Color)	4294925571 (0xFFFF5D03)
YUV	131.1780, -63.1918, 108.5919
Hunter-Lab	54.0815, 55.1023, 34.2065

Details

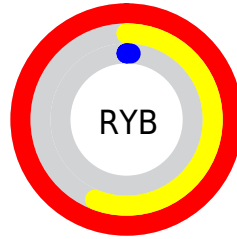
The CIELCh color **61, 91.625, 50.025** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **65, 54.732, 266.968**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 67.086, 59.817**, and **41, 80.389, 42.462** is the 20% darker color. If you saturate the color by 10%, you get **61, 92.156, 49.880**, and if you desaturate by 10%, it is **64, 84.175, 51.989**.

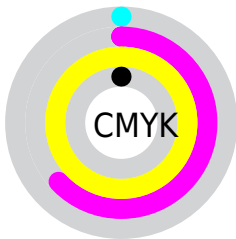
Distribution



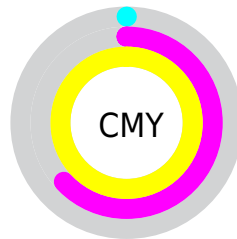
- Red (100%)
- Green (36%)
- Blue (1%)



- Red (100%)
- Yellow (56%)
- Blue (1%)



- Cyan (0%)
- Magenta (63%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (63%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 91.625, 50.025 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, 91.625, 50.025 by changing the saturation by 10% instead.

61, 91.625, 50.025

61, 91.625, 50.025

100, 91.625,
50.025

51, 91.625, 50.025

81, 91.625, 50.025

41, 91.625, 50.025

91, 91.625, 50.025

31, 91.625, 50.025

21, 91.625, 50.025

11, 91.625, 50.025

1, 91.625, 50.025

0, 91.625, 50.025

61, 91.625, 50.025

61, 91.625, 50.025

61, 92.156, 49.880

64, 84.175, 51.989

67, 74.453, 53.085

70, 63.691, 53.777

74, 52.869, 54.370

78, 42.442, 54.991

82, 32.591, 55.679

87, 23.370, 56.436

91, 14.767, 57.247

96, 6.741, 58.071

Harmonies

Complementary

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



61, 91.625, 50.025



65, 54.732, 266.968

Rectangle

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



61, 91.625, 50.025



61, 91.625, 100.025



61, 91.625, 230.025



61, 91.625, 280.025

Sweetspot

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



61, 91.461, 50.068



86, 24.296, 56.355



56, 89.259, 349.029



44, 16.829, 56.031



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, 91.461, 50.068



61, 92.156, 49.880



87, 87.347, 91.961



51, 4.283, 58.028



46, 73.769, 50.523



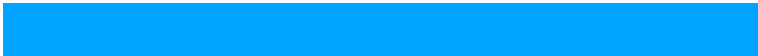
14, 27.843, 48.631

Inverse Universe

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



65, 54.732, 266.968



65, 55.161, 267.492



36, 123.661, 304.100



51, 4.099, 239.984



49, 43.896, 266.518



15, 18.663, 259.247

Previews

White Background



This preview shows how the CIELCh color 61, 91.625, 50.025 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, 91.625, 50.025 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, 91.625, 50.025

Background



This preview shows how black text looks on a background with the CIELCh color 61, 91.625, 50.025.



This preview shows how white text looks on a background with the CIELCh color 61, 91.625, 50.025.

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, 91.494, 49.949

Protanopia

61, 60.413, 95.388

Deuteranopia

61, 66.193, 83.649



Tritanopia
61, 70.954, 27.116

Trichromacy



Original Color
61, 91.494, 49.949

Protanomaly
59, 65.245, 72.604

Deuteranomaly
60, 71.906, 67.431

Tritanomaly
61, 78.792, 39.493

Monochromacy



Original Color
61, 91.494, 49.949

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 33.778, 54.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 91.625, 50.025 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, 93, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 3)  
}
```

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, 93, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 91.625, 50.025 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, 93, 3) }
```

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

```
.border{ border-color:rgb(255, 93, 3) }
```

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

Here you see how a box with a 4 pixel rgb(255, 93, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 93, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 91.625, 50.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 3) }
```

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

```
.background{ background-color: rgb(255, 93,  
3) }
```

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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