

Converting Colors

CIELCh(61, 91.791, 49.393)

Have a look what the booklet for
CIELCh(61, 91.791, 49.393) contains.

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Color

CIELCh(61, 91.306, 49.493)

Conversions

Conversions Part 1

Format	Color
Hex	FF5D07
RGB	255, 93, 7
RGB Percent	100%, 36%, 3%
CMY	0.0000, 0.6360, 0.9710
CMYK	0.00, 0.64, 0.97, 0.00
HSL	21°, 100%, 51%
HSV	21°, 97%, 100%
XYZ	45.5236, 29.2481, 3.4580
YIQ	131.6340, 124.1580, 7.5980

Conversions

Conversions Part 2

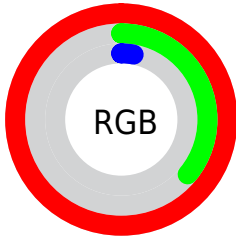
Format	Color
RYB	255, 139, 7
Decimal	16735495
CIELab	61.00, 59.31, 69.42
CIElCh	61, 91.306, 49.493
Yxy	29.2481, 0.5819, 0.3739
Android (android.graphics.Color)	4294925575 (0xFFFF5D07)
YUV	131.6340, -61.4446, 108.1920
Hunter-Lab	54.0815, 55.6112, 34.0660

Details

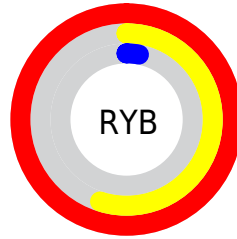
The CIELCh color **61, 91.306, 49.493** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **66, 52.522, 263.651**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 66.367, 59.367**, and **41, 80.389, 42.462** is the 20% darker color. If you saturate the color by 10%, you get **60, 92.919, 49.056**, and if you desaturate by 10%, it is **64, 83.087, 51.239**.

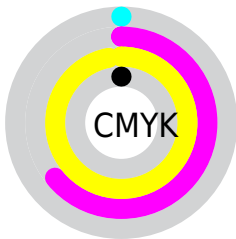
Distribution



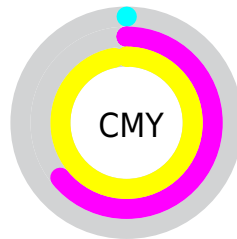
- Red (100%)
- Green (36%)
- Blue (3%)



- Red (100%)
- Yellow (55%)
- Blue (3%)



- Cyan (0%)
- Magenta (64%)
- Yellow (97%)
- Black (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 91.306, 49.493 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, 91.306, 49.493 by changing the saturation by 10% instead.

61, 91.306, 49.493

61, 91.306, 49.493

100, 91.306,
49.493

51, 91.306, 49.493

81, 91.306, 49.493

41, 91.306, 49.493

91, 91.306, 49.493

31, 91.306, 49.493

21, 91.306, 49.493

11, 91.306, 49.493

1, 91.306, 49.493

0, 91.306, 49.493

61, 91.306, 49.493

61, 91.306, 49.493

60, 92.919, 49.056

64, 83.087, 51.239

67, 72.907, 52.082

71, 61.950, 52.611

74, 51.076, 53.090

79, 40.670, 53.624

83, 30.879, 54.240

87, 21.738, 54.934

92, 13.227, 55.686

97, 5.300, 56.437

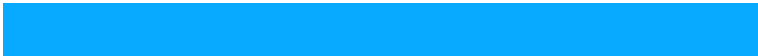
Harmonies

Complementary

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



61, 91.306, 49.493



66, 52.522, 263.651

Rectangle

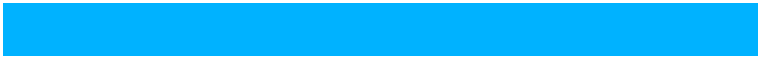
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 91.306, 49.493



61, 91.306, 99.493



61, 91.306, 229.493



61, 91.306, 279.493

Sweetspot

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



61, 90.966, 49.577



87, 23.422, 54.797



57, 90.114, 347.248



44, 16.327, 54.498



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, 90.966, 49.577



60, 92.919, 49.056



87, 86.296, 90.813



51, 4.279, 56.266



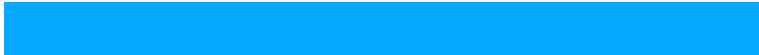
46, 74.371, 49.682



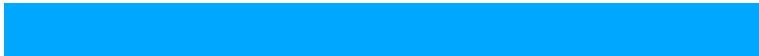
14, 28.003, 47.396

Inverse Universe

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



66, 52.522, 263.651



66, 53.609, 265.139



37, 120.034, 303.289



51, 4.087, 238.124



50, 42.696, 264.160



16, 18.268, 256.903

Previews

White Background



This preview shows how the CIELCh color 61, 91.306, 49.493 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, 91.306, 49.493 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, 91.306, 49.493

Background



This preview shows how black text looks on a background with the CIELCh color 61, 91.306, 49.493.



This preview shows how white text looks on a background with the CIELCh color 61, 91.306, 49.493.

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, 90.977, 49.650

Protanopia

61, 60.142, 95.384

Deuteranopia

61, 66.193, 83.649



Tritanopia
61, 71.420, 27.253

Trichromacy



Original Color
61, 90.977, 49.650

Protanomaly
59, 64.812, 72.450

Deuteranomaly
60, 71.608, 67.313

Tritanomaly
61, 78.719, 38.921

Monochromacy



Original Color
61, 90.977, 49.650

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 32.945, 53.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 91.306, 49.493 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 91.306, 49.493 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, 7) }
```

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

```
.border{ border-color:rgb(255, 93, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 93, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 91.306, 49.493 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, 7) }
```

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

```
.background{ background-color: rgb(255, 93,  
7) }
```

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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