

Converting Colors

CIELCh(59, 93.100, 48.143)

Have a look what the booklet for
CIELCh(59, 93.100, 48.143) contains.

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Color

CIELCh(59, 93.227, 48.169)

Conversions

Conversions Part 1

Format	Color
Hex	FD5300
RGB	253, 83, 0
RGB Percent	99%, 33%, 0%
CMY	0.0083, 0.6749, 1.0000
CMYK	0.00, 0.67, 1.00, 0.01
HSL	20°, 100%, 50%
HSV	20°, 100%, 99%
XYZ	43.5452, 27.0277, 2.9172
YIQ	124.3680, 127.9630, 10.2270

Conversions

Conversions Part 2

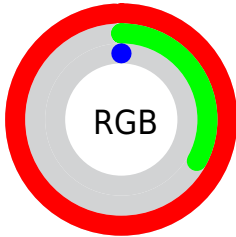
Format	Color
RYB	253, 124, 0
Decimal	16601856
CIELab	59.00, 62.18, 69.46
CIELCh	59, 93.227, 48.169
Yxy	27.0277, 0.5925, 0.3678
Android (android.graphics.Color)	4294791936 (0xFFFD5300)
YUV	124.3680, -61.3134, 112.8103
Hunter-Lab	51.9882, 58.5318, 33.0648

Details

The CIELCh color **59, 93.227, 48.169** 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, 51.565, 262.217**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 68.922, 56.347**, and **39, 82.165, 40.499** is the 20% darker color. If you saturate the color by 10%, you get **59, 93.202, 48.158**, and if you desaturate by 10%, it is **62, 85.846, 49.784**.

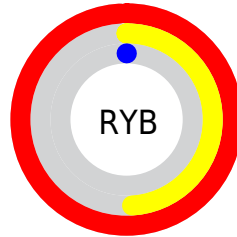
Distribution



Red (99%)

Green (33%)

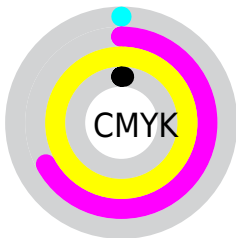
Blue (0%)



Red (99%)

Yellow (49%)

Blue (0%)

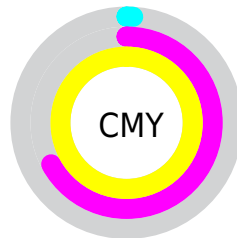


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (67%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 93.227, 48.169 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 59, 93.227, 48.169 by changing the saturation by 10% instead.

 59, 93.227, 48.169

 59, 93.227, 48.169

 100, 93.227,
48.169

 49, 93.227, 48.169

 79, 93.227, 48.169

 39, 93.227, 48.169

 89, 93.227, 48.169

 29, 93.227, 48.169

 99, 93.227, 48.169

 19, 93.227, 48.169

 9, 93.227, 48.169

 0, 93.227, 48.169

 59, 93.227, 48.169

 59, 93.227, 48.169

 59, 93.202, 48.158

 62, 85.846, 49.784

 65, 76.038, 50.624

68, 65.105, 51.042

72, 54.101, 51.376

76, 43.510, 51.764

81, 33.526, 52.247

85, 24.206, 52.824

90, 15.541, 53.477

94, 7.489, 54.166

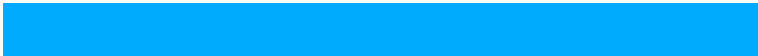
Harmonies

Complementary

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



59, 93.227, 48.169



66, 51.565, 262.217

Rectangle

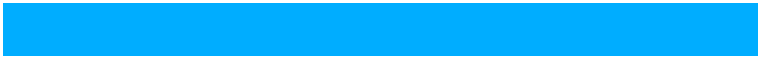
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 93.227, 48.169



59, 93.227, 98.169



59, 93.227, 228.169



59, 93.227, 278.169

Sweetspot

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



59, 93.202, 48.158



86, 24.372, 52.823



56, 90.439, 346.600



44, 16.897, 52.569



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59, 93.202, 48.158



59, 93.812, 48.143



85, 85.428, 89.003



51, 4.279, 54.199



45, 75.079, 48.748



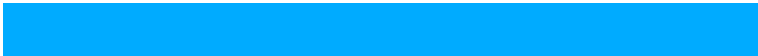
13, 28.204, 45.993

Inverse Universe

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



66, 51.565, 262.217



67, 51.907, 262.242



36, 120.182, 303.420



51, 4.078, 235.933



51, 41.384, 261.263



16, 17.844, 254.058

Previews

White Background



This preview shows how the CIELCh color 59, 93.227, 48.169 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 59, 93.227, 48.169 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 59, 93.227, 48.169

Background



This preview shows how black text looks on a background with the CIELCh color 59, 93.227, 48.169.



This preview shows how white text looks on a background with the CIELCh color 59, 93.227, 48.169.

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

59, 93.227, 48.169

Protanopia

59, 58.264, 95.582

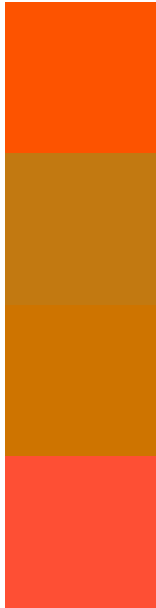
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 76.335, 29.134

Trichromacy



Original Color
59, 93.227, 48.169

Protanomaly
57, 64.363, 70.415

Deuteranomaly
58, 71.103, 65.745

Tritanomaly
59, 83.455, 39.034

Monochromacy



Original Color
59, 93.227, 48.169

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 34.395, 51.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 93.227, 48.169 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, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 83, 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, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 83, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 93.227, 48.169 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, 83, 0) }
```

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

```
.border{ border-color:rgb(253, 83, 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, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 93.227, 48.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 83, 0) }
```

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

```
.background{ background-color: rgb(253, 83,  
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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