

Converting Colors

CIELCh(59, 92.093, 48.442)

Have a look what the booklet for
CIELCh(59, 92.093, 48.442) contains.

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Color

CIELCh(59, 91.833, 48.577)

Conversions

Conversions Part 1

Format	Color
Hex	FB5502
RGB	251, 85, 2
RGB Percent	98%, 33%, 1%
CMY	0.0155, 0.6664, 0.9919
CMYK	0.00, 0.66, 0.99, 0.02
HSL	20°, 98%, 50%
HSV	20°, 99%, 98%
XYZ	43.0662, 27.0277, 3.0065
YIQ	125.1720, 125.5790, 9.3790

Conversions

Conversions Part 2

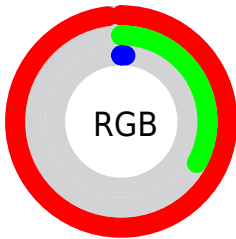
Format	Color
RYB	251, 127, 2
Decimal	16471298
CIELab	59.00, 60.76, 68.86
CIElCh	59, 91.833, 48.577
Yxy	27.0277, 0.5891, 0.3697
Android (android.graphics.Color)	4294661378 (0xFFFB5502)
YUV	125.1720, -60.7238, 110.3512
Hunter-Lab	51.9882, 56.8872, 32.9630

Details

The CIELCh color **59, 91.833, 48.577** 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, 51.504, 262.714**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 68.373, 57.017**, and **39, 80.905, 40.971** is the 20% darker color. If you saturate the color by 10%, you get **59, 92.400, 48.456**, and if you desaturate by 10%, it is **62, 84.392, 50.233**.

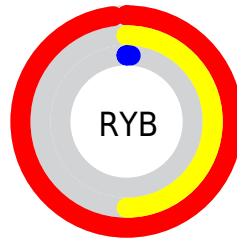
Distribution



Red (98%)

Green (33%)

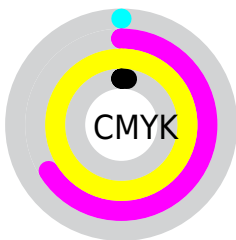
Blue (1%)



Red (98%)

Yellow (50%)

Blue (1%)

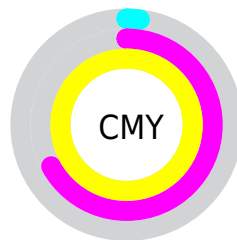


Cyan (0%)

Magenta (66%)

Yellow (99%)

Black (2%)



Cyan (2%)

Magenta (67%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 91.833, 48.577 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, 91.833, 48.577 by changing the saturation by 10% instead.

59, 91.833, 48.577

59, 91.833, 48.577

100, 91.833,
48.577

49, 91.833, 48.577

79, 91.833, 48.577

39, 91.833, 48.577

89, 91.833, 48.577

29, 91.833, 48.577

99, 91.833, 48.577

19, 91.833, 48.577

9, 91.833, 48.577

0, 91.833, 48.577

59, 91.833, 48.577

59, 91.833, 48.577

59, 92.400, 48.456

62, 84.392, 50.233

65, 74.538, 51.073

68, 63.680, 51.526

72, 52.801, 51.907

76, 42.349, 52.342

81, 32.502, 52.868

85, 23.309, 53.483

90, 14.759, 54.168

94, 6.808, 54.880

Harmonies

Complementary

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



59, 91.833, 48.577



66, 51.504, 262.714

Rectangle

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



59, 91.833, 48.577



59, 91.833, 98.577



59, 91.833, 228.577



59, 91.833, 278.577

Sweetspot

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



59, 91.830, 48.579



86, 24.352, 53.428



56, 89.950, 346.410



44, 16.881, 53.161



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, 91.830, 48.579



60, 93.528, 48.427



84, 84.842, 89.128



50, 4.208, 54.858



45, 74.084, 49.073



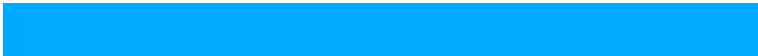
13, 26.915, 45.985

Inverse Universe

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



66, 51.504, 262.714



66, 52.434, 263.179



36, 118.684, 303.238



50, 4.013, 236.629



50, 41.351, 262.148



15, 17.443, 254.558

Previews

White Background



This preview shows how the CIELCh color 59, 91.833, 48.577 looks on a white background.

Color Contrast Check

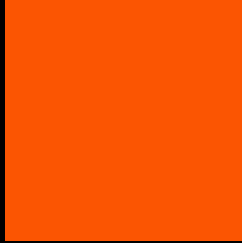
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.833, 48.577 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, 91.833, 48.577

Background



This preview shows how black text looks on a background with the CIELCh color 59, 91.833, 48.577.



This preview shows how white text looks on a background with the CIELCh color 59, 91.833, 48.577.

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, 91.833, 48.577

Protanopia

59, 58.546, 95.585

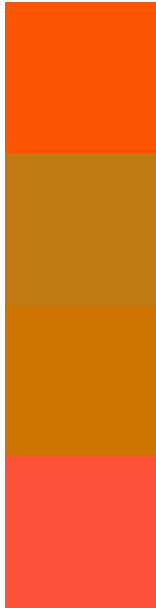
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 75.025, 28.794

Trichromacy



Original Color
59, 91.833, 48.577

Protanomaly
57, 64.063, 71.253

Deuteranomaly
58, 70.855, 66.117

Tritanomaly
59, 81.704, 38.981

Monochromacy



Original Color
59, 91.833, 48.577

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 33.916, 51.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 91.833, 48.577 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(251, 85, 2)` looks like.

```
.text, #text, p{  
    color:rgb(251, 85, 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(251, 85, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 85, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 91.833, 48.577 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(251, 85, 2) }
```

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

```
.border{ border-color:rgb(251, 85, 2) }
```

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

Here you see how a box with a 4 pixel rgb(251, 85, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 85, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 85, 2);  
box-shadow:4px 4px 4px 4px rgb(251, 85, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 91.833, 48.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 85, 2) }
```

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

```
.background{ background-color: rgb(251, 85,  
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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