

Converting Colors

CIELCh(59, 92.218, 48.844)

Have a look what the booklet for
CIELCh(59, 92.218, 48.844) contains.

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Color

CIELCh(59, 92.110, 48.742)

Conversions

Conversions Part 1

Format	Color
Hex	FB5500
RGB	251, 85, 0
RGB Percent	98%, 33%, 0%
CMY	0.0154, 0.6664, 0.9997
CMYK	0.00, 0.66, 1.00, 0.02
HSL	20°, 100%, 49%
HSV	20°, 100%, 98%
XYZ	43.0609, 27.0277, 2.9497
YIQ	124.9440, 126.2210, 8.7570

Conversions

Conversions Part 2

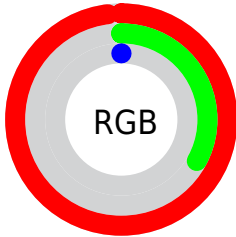
Format	Color
RYB	251, 129, 0
Decimal	16471296
CIELab	59.00, 60.74, 69.24
CIELCh	59, 92.110, 48.742
Yxy	27.0277, 0.5896, 0.3700
Android (android.graphics.Color)	4294661376 (0xFFFB5500)
YUV	124.9440, -61.5974, 110.5511
Hunter-Lab	51.9882, 56.8688, 33.0278

Details

The CIELCh color **59, 92.110, 48.742** 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, 52.300, 264.014**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 68.721, 57.247**, and **39, 80.905, 40.971** is the 20% darker color. If you saturate the color by 10%, you get **59, 92.131, 48.739**, and if you desaturate by 10%, it is **62, 84.858, 50.471**.

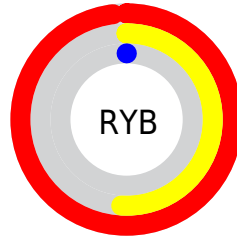
Distribution



Red (98%)

Green (33%)

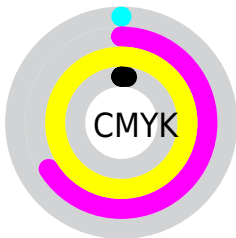
Blue (0%)



Red (98%)

Yellow (51%)

Blue (0%)

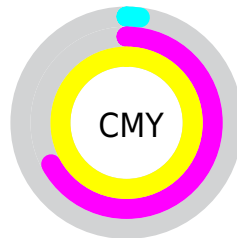


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 92.110, 48.742 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, 92.110, 48.742 by changing the saturation by 10% instead.

59, 92.110, 48.742

59, 92.110, 48.742

100, 92.110,
48.742

49, 92.110, 48.742

79, 92.110, 48.742

39, 92.110, 48.742

89, 92.110, 48.742

29, 92.110, 48.742

99, 92.110, 48.742

19, 92.110, 48.742

9, 92.110, 48.742

0, 92.110, 48.742

59, 92.110, 48.742

59, 92.110, 48.742

59, 92.131, 48.739

62, 84.858, 50.471

65, 75.202, 51.419

68, 64.425, 51.939

72, 53.564, 52.363

76, 43.100, 52.831

80, 33.225, 53.383

85, 23.998, 54.021

89, 15.408, 54.728

94, 7.417, 55.464

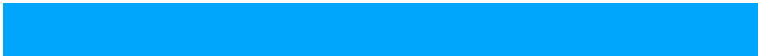
Harmonies

Complementary

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



59, 92.110, 48.742



65, 52.300, 264.014

Rectangle

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



59, 92.110, 48.742



59, 92.110, 98.742



59, 92.110, 228.742



59, 92.110, 278.742

Sweetspot

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



59, 92.107, 48.744



86, 24.336, 54.017



55, 89.065, 347.904



44, 16.867, 53.738



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, 92.107, 48.744



60, 93.251, 48.710



85, 85.685, 90.450



50, 4.208, 55.498



45, 73.867, 49.362



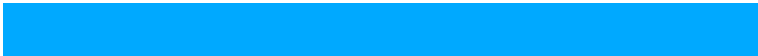
13, 26.854, 46.427

Inverse Universe

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



65, 52.300, 264.014



66, 52.960, 264.078



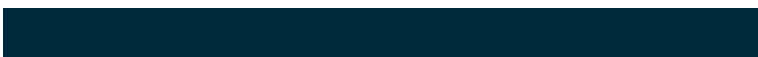
35, 121.312, 303.854



50, 4.016, 237.308



50, 41.752, 263.047



15, 17.567, 255.439

Previews

White Background



This preview shows how the CIELCh color 59, 92.110, 48.742 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, 92.110, 48.742 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, 92.110, 48.742

Background



This preview shows how black text looks on a background with the CIELCh color 59, 92.110, 48.742.



This preview shows how white text looks on a background with the CIELCh color 59, 92.110, 48.742.

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, 92.110, 48.742

Protanopia

59, 58.546, 95.585

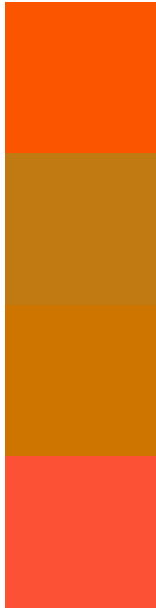
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 75.025, 28.794

Trichromacy



Original Color
59, 92.110, 48.742

Protanomaly
57, 64.063, 71.253

Deuteranomaly
58, 71.013, 66.183

Tritanomaly
59, 81.986, 39.259

Monochromacy



Original Color
59, 92.110, 48.742

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, 92.110, 48.742 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 85, 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(251, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 85, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 92.110, 48.742 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, 0) }
```

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

```
.border{ border-color:rgb(251, 85, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 92.110, 48.742 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, 0) }
```

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

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