

Converting Colors

CIELCh(59, 92.198, 46.194)

Have a look what the booklet for
CIELCh(59, 92.198, 46.194) contains.

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Color

CIELCh(59, 92.329, 46.051)

Conversions

Conversions Part 1

Format	Color
Hex	FF5010
RGB	255, 80, 16
RGB Percent	100%, 31%, 6%
CMY	0.0001, 0.6863, 0.9373
CMYK	0.00, 0.69, 0.94, 0.00
HSL	16°, 100%, 53%
HSV	16°, 94%, 100%
XYZ	44.1928, 27.0277, 3.3769
YIQ	125.0290, 124.8440, 17.1960

Conversions

Conversions Part 2

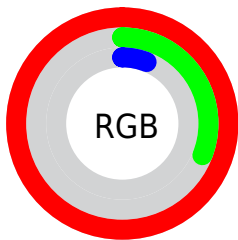
Format	Color
R_{YB}	255, 103, 16
Decimal	16732176
CIE _{Lab}	59.00, 64.08, 66.47
CIE _{LCh}	59, 92.329, 46.051
Yxy	27.0277, 0.5924, 0.3623
Android (android.graphics.Color)	4294922256 (0xFFFF5010)
YUV	125.0290, -53.7513, 113.9846
Hunter-Lab	51.9882, 60.7555, 32.5405

Details

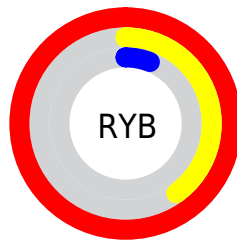
The CIELCh color **59, 92.329, 46.051** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **73, 45.805, 247.880**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 66.717, 53.688**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **57, 96.840, 45.381**, and if you desaturate by 10%, it is **62, 82.847, 46.514**.

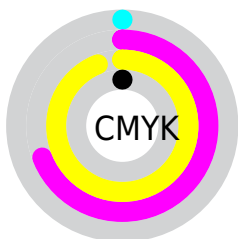
Distribution



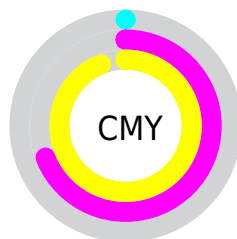
- Red (100%)
- Green (31%)
- Blue (6%)



- Red (100%)
- Yellow (40%)
- Blue (6%)



- Cyan (0%)
- Magenta (69%)
- Yellow (94%)
- Black (0%)



- Cyan (0%)
- Magenta (69%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 92.329, 46.051 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, 92.329, 46.051 by changing the saturation by 10% instead.

59, 92.329, 46.051

59, 92.329, 46.051

100, 92.329,
46.051

49, 92.329, 46.051

79, 92.329, 46.051

39, 92.329, 46.051

89, 92.329, 46.051

29, 92.329, 46.051

99, 92.329, 46.051

19, 92.329, 46.051

9, 92.329, 46.051

0, 92.329, 46.051

59, 92.329, 46.051

59, 92.329, 46.051

57, 96.840, 45.381

62, 82.847, 46.514

65, 71.611, 46.382

69, 60.042, 46.145

73, 48.807, 46.003

78, 38.187, 46.014

83, 28.281, 46.177

88, 19.103, 46.468

93, 10.618, 46.850

98, 2.773, 47.171

Harmonies

Complementary

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



59, 92.329, 46.051



73, 45.805, 247.880

Rectangle

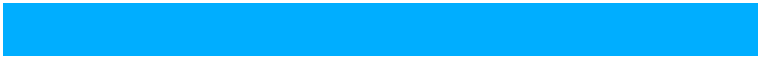
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 92.329, 46.051



59, 92.329, 96.051



59, 92.329, 226.051



59, 92.329, 276.051

Sweetspot

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



59, 92.326, 46.053



86, 22.933, 46.331



57, 93.947, 341.811



44, 16.114, 46.211



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, 92.326, 46.053



57, 96.846, 45.380



83, 83.088, 85.676



50, 4.323, 47.020



44, 77.510, 45.901



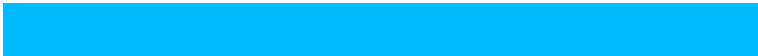
13, 28.995, 41.481

Inverse Universe

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



73, 45.805, 247.880



71, 47.074, 250.942



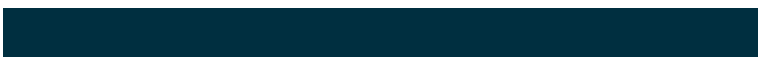
41, 107.710, 300.092



51, 4.092, 228.265



55, 37.682, 250.011



17, 16.713, 243.358

Previews

White Background



This preview shows how the CIELCh color 59, 92.329, 46.051 looks on a white background.

Color Contrast Check

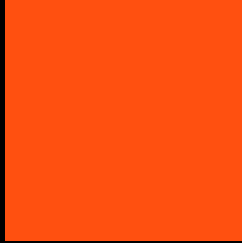
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.329, 46.051 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, 92.329, 46.051

Background



This preview shows how black text looks on a background with the CIELCh color 59, 92.329, 46.051.



This preview shows how white text looks on a background with the CIELCh color 59, 92.329, 46.051.

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, 92.329, 46.051

Protanopia

59, 56.421, 95.551

Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 77.180, 29.332

Trichromacy



Original Color
59, 92.329, 46.051

Protanomaly
57, 62.212, 68.535

Deuteranomaly
58, 70.583, 64.645

Tritanomaly
59, 82.858, 37.181

Monochromacy



Original Color
59, 92.329, 46.051

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 32.687, 46.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 92.329, 46.051 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, 80, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 16)  
}
```

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, 80, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 92.329, 46.051 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, 80, 16) }
```

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

```
.border{ border-color:rgb(255, 80, 16) }
```

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

Here you see how a box with a 4 pixel rgb(255, 80, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 92.329, 46.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 16) }
```

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

```
.background{ background-color: rgb(255, 80,  
16) }
```

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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