

Converting Colors

CIELCh(59, 85.258, 51.336)

Have a look what the booklet for
CIELCh(59, 85.258, 51.336) contains.

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Color

CIELCh(59, 85.129, 51.310)

Conversions

Conversions Part 1

Format	Color
Hex	F15F0B
RGB	241, 95, 11
RGB Percent	95%, 37%, 4%
CMY	0.0535, 0.6262, 0.9586
CMYK	0.00, 0.61, 0.96, 0.05
HSL	22°, 92%, 49%
HSV	22°, 96%, 95%
XYZ	40.5780, 27.0277, 3.3812
YIQ	129.0780, 113.9800, 4.8280

Conversions

Conversions Part 2

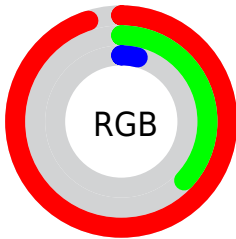
Format	Color
R_{YB}	241, 143, 11
Decimal	15818507
CIE _{Lab}	59.00, 53.21, 66.45
CIE _{LCh}	59, 85.129, 51.310
Yxy	27.0277, 0.5716, 0.3807
Android (android.graphics.Color)	4294008587 (0xFFFF15F0B)
YUV	129.0780, -58.2125, 98.1556
Hunter-Lab	51.9882, 48.3440, 32.5356

Details

The CIELCh color **59, 85.129, 51.310** 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 **62, 51.825, 266.274**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 65.938, 59.620**, and **39, 74.537, 44.105** is the 20% darker color. If you saturate the color by 10%, you get **58, 87.928, 50.435**, and if you desaturate by 10%, it is **62, 77.336, 53.007**.

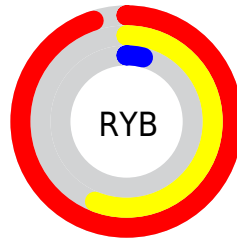
Distribution



Red (95%)

Green (37%)

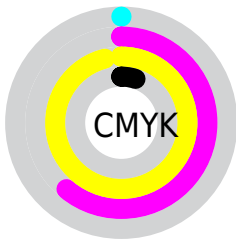
Blue (4%)



Red (95%)

Yellow (56%)

Blue (4%)

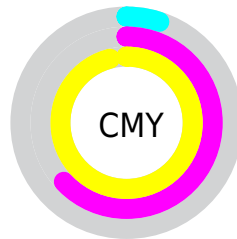


Cyan (0%)

Magenta (61%)

Yellow (96%)

Black (5%)



Cyan (5%)

Magenta (63%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 85.129, 51.310 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, 85.129, 51.310 by changing the saturation by 10% instead.

 59, 85.129, 51.310

 59, 85.129, 51.310

 100, 85.129,
51.310

 49, 85.129, 51.310

 79, 85.129, 51.310

 39, 85.129, 51.310

 89, 85.129, 51.310

 29, 85.129, 51.310

 99, 85.129, 51.310

 19, 85.129, 51.310

 9, 85.129, 51.310

 0, 85.129, 51.310

 59, 85.129, 51.310

 59, 85.129, 51.310

 58, 87.928, 50.435

 62, 77.336, 53.007

 65, 67.611, 53.975

68, 57.286, 54.670

72, 47.085, 55.318

76, 37.328, 56.006

80, 28.137, 56.759

84, 19.538, 57.572

88, 11.508, 58.424

93, 4.004, 59.243

Harmonies

Complementary

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



59, 85.129, 51.310



62, 51.825, 266.274

Rectangle

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



59, 85.129, 51.310



59, 85.129, 101.310



59, 85.129, 231.310



59, 85.129, 281.310

Sweetspot

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



59, 85.126, 51.312



87, 23.399, 57.285



53, 84.858, 349.420



44, 16.300, 56.938



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, 85.126, 51.312



61, 91.760, 50.325



85, 84.133, 93.694



48, 4.074, 58.947



45, 71.189, 51.083



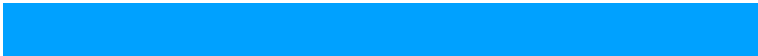
12, 24.078, 47.944

Inverse Universe

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



62, 51.825, 266.274



64, 56.002, 268.673



34, 116.983, 303.811



48, 3.904, 240.941



47, 43.126, 267.541



13, 17.149, 259.058

Previews

White Background



This preview shows how the CIELCh color 59, 85.129, 51.310 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, 85.129, 51.310 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, 85.129, 51.310

Background



This preview shows how black text looks on a background with the CIELCh color 59, 85.129, 51.310.



This preview shows how white text looks on a background with the CIELCh color 59, 85.129, 51.310.

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, 84.994, 51.229

Protanopia

59, 58.546, 95.585

Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 66.599, 26.433

Trichromacy



Original Color
59, 84.994, 51.229

Protanomaly
58, 62.621, 74.131

Deuteranomaly
58, 68.888, 68.838

Tritanomaly
59, 73.106, 38.869

Monochromacy



Original Color
59, 84.994, 51.229

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 30.676, 56.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 85.129, 51.310 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(241, 95, 11)` looks like.

```
.text, #text, p{  
    color:rgb(241, 95, 11)  
}
```

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(241, 95, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 95, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 85.129, 51.310 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(241, 95, 11) }
```

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

```
.border{ border-color:rgb(241, 95, 11) }
```

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

Here you see how a box with a 4 pixel rgb(241, 95, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 95, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 95, 11);  
box-shadow:4px 4px 4px 4px rgb(241, 95,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 85.129, 51.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 95, 11) }
```

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

```
.background{ background-color: rgb(241, 95,  
11) }
```

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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