

Converting Colors

CIELCh(60, 85.216, 52.037)

Have a look what the booklet for
CIELCh(60, 85.216, 52.037) contains.

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Color

CIELCh(60, 85.304, 52.003)

Conversions

Conversions Part 1

Format	Color
Hex	F4630B
RGB	244, 99, 11
RGB Percent	96%, 39%, 4%
CMY	0.0438, 0.6123, 0.9578
CMYK	0.00, 0.59, 0.96, 0.04
HSL	23°, 92%, 50%
HSV	23°, 96%, 96%
XYZ	41.7567, 28.1233, 3.5364
YIQ	132.3230, 114.6680, 3.3720

Conversions

Conversions Part 2

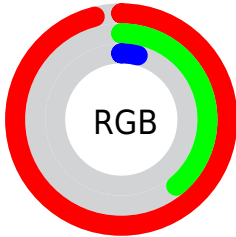
Format	Color
R _Y B	244, 152, 11
Decimal	16016139
CIE Lab	60.00, 52.51, 67.22
CIE LCh	60, 85.304, 52.003
Yxy	28.1233, 0.5688, 0.3831
Android (android.graphics.Color)	4294206219 (0xFFFF4630B)
YUV	132.3230, -59.8122, 97.9407
Hunter-Lab	53.0314, 47.7449, 33.1682

Details

The CIELCh color **60, 85.304, 52.003** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **62, 53.308, 267.925**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 65.346, 61.351**, and **40, 74.668, 44.939** is the 20% darker color. If you saturate the color by 10%, you get **59, 88.084, 51.067**, and if you desaturate by 10%, it is **63, 77.575, 53.799**.

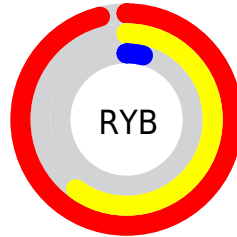
Distribution



Red (96%)

Green (39%)

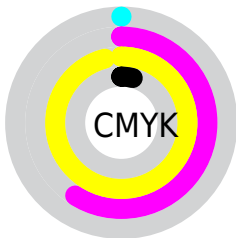
Blue (4%)



Red (96%)

Yellow (60%)

Blue (4%)

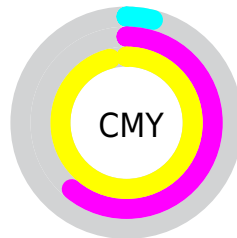


Cyan (0%)

Magenta (59%)

Yellow (96%)

Black (4%)



Cyan (4%)

Magenta (61%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 85.304, 52.003 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 60, 85.304, 52.003 by changing the saturation by 10% instead.

60, 85.304, 52.003

60, 85.304, 52.003

100, 85.304,
52.003

50, 85.304, 52.003

80, 85.304, 52.003

40, 85.304, 52.003

90, 85.304, 52.003

30, 85.304, 52.003

20, 85.304, 52.003

10, 85.304, 52.003

0, 85.304, 52.003

60, 85.304, 52.003

60, 85.304, 52.003

59, 88.084, 51.067

63, 77.575, 53.799

66, 67.886, 54.865

69, 57.568, 55.648

73, 47.351, 56.372

77, 37.564, 57.127

81, 28.331, 57.938

85, 19.679, 58.801

89, 11.590, 59.699

94, 4.019, 60.558

Harmonies

Complementary

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



60, 85.304, 52.003



62, 53.308, 267.925

Rectangle

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



60, 85.304, 52.003



60, 85.304, 102.003



60, 85.304, 232.003



60, 85.304, 282.003

Sweetspot

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



60, 85.301, 52.005



87, 23.404, 58.496



54, 85.512, 349.424



45, 16.298, 58.128



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 85.301, 52.005



61, 91.201, 50.976



85, 84.784, 93.692



49, 4.153, 60.243



45, 71.517, 51.709



13, 25.219, 49.430

Inverse Universe

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



62, 53.308, 267.925



63, 57.239, 270.303



34, 117.901, 303.815



49, 3.985, 242.306



47, 44.536, 269.233



13, 18.022, 261.201

Previews

White Background



This preview shows how the CIELCh color 60, 85.304, 52.003 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 60, 85.304, 52.003 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 60, 85.304, 52.003

Background



This preview shows how black text looks on a background with the CIELCh color 60, 85.304, 52.003.



This preview shows how white text looks on a background with the CIELCh color 60, 85.304, 52.003.

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

60, 85.304, 52.003

Protanopia

60, 59.341, 95.236

Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 65.798, 25.694

Trichromacy



Original Color
60, 85.304, 52.003

Protanomaly
59, 63.209, 74.487

Deuteranomaly
59, 69.615, 69.363

Tritanomaly
60, 72.674, 39.099

Monochromacy



Original Color
60, 85.304, 52.003

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 30.891, 56.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 85.304, 52.003 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(244, 99, 11)` looks like.

```
.text, #text, p{  
    color:rgb(244, 99, 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(244, 99, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 99, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 85.304, 52.003 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(244, 99, 11) }
```

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

```
.border{ border-color:rgb(244, 99, 11) }
```

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

Here you see how a box with a 4 pixel rgb(244, 99, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 99, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 99, 11);  
box-shadow:4px 4px 4px 4px rgb(244, 99,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 85.304, 52.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 99, 11) }
```

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

```
.background{ background-color: rgb(244, 99,  
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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