

Converting Colors

CIELCh(60, 90.795, 46.759)

Have a look what the booklet for
CIELCh(60, 90.795, 46.759) contains.

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Color

CIELCh(60, 90.432, 46.858)

Conversions

Conversions Part 1

Format	Color
Hex	FF5614
RGB	255, 86, 20
RGB Percent	100%, 34%, 8%
CMY	0.0000, 0.6611, 0.9196
CMYK	0.00, 0.66, 0.92, 0.00
HSL	17°, 100%, 54%
HSV	17°, 92%, 100%
XYZ	44.9053, 28.1233, 3.7463
YIQ	129.0070, 121.9100, 15.3020

Conversions

Conversions Part 2

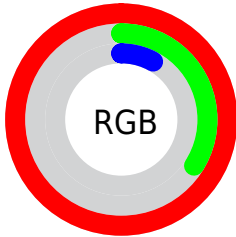
Format	Color
RYB	255, 112, 20
Decimal	16733716
CIELab	60.00, 61.84, 65.98
CIElCh	60, 90.432, 46.858
Yxy	28.1233, 0.5849, 0.3663
Android (android.graphics.Color)	4294923796 (0xFFFF5614)
YUV	129.0070, -53.7405, 110.4959
Hunter-Lab	53.0314, 58.3431, 32.9335

Details

The CIELCh color **60, 90.432, 46.858** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **72, 46.146, 249.606**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 65.095, 55.235**, and **40, 82.262, 40.925** is the 20% darker color. If you saturate the color by 10%, you get **58, 96.193, 45.936**, and if you desaturate by 10%, it is **63, 80.408, 47.357**.

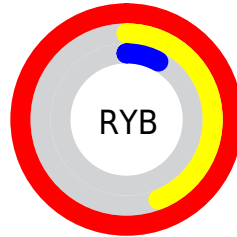
Distribution



Red (100%)

Green (34%)

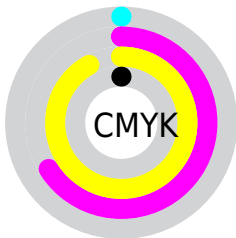
Blue (8%)



Red (100%)

Yellow (44%)

Blue (8%)

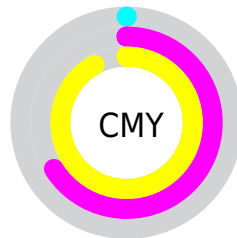


Cyan (0%)

Magenta (66%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (66%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 90.432, 46.858 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, 90.432, 46.858 by changing the saturation by 10% instead.

60, 90.432, 46.858

60, 90.432, 46.858

100, 90.432,
46.858

50, 90.432, 46.858

80, 90.432, 46.858

40, 90.432, 46.858

90, 90.432, 46.858

30, 90.432, 46.858

20, 90.432, 46.858

10, 90.432, 46.858

0, 90.432, 46.858

60, 90.432, 46.858

60, 90.432, 46.858

58, 96.193, 45.936

63, 80.408, 47.357

66, 69.130, 47.330

70, 57.675, 47.231

75, 46.617, 47.228

79, 36.192, 47.365

84, 26.479, 47.638

89, 17.479, 48.025

94, 9.152, 48.485

99, 1.443, 48.685

Harmonies

Complementary

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



60, 90.432, 46.858



72, 46.146, 249.606

Rectangle

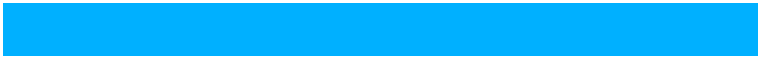
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 90.432, 46.858



60, 90.432, 96.858



60, 90.432, 226.858



60, 90.432, 276.858

Sweetspot

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



60, 90.256, 46.892



86, 22.827, 47.780



58, 93.808, 341.528



44, 16.036, 47.627



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, 90.256, 46.892



58, 96.193, 45.936



83, 82.646, 85.992



50, 4.307, 48.599



44, 76.983, 46.477



13, 28.810, 42.427

Inverse Universe

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



72, 46.146, 249.606



70, 47.985, 253.598



42, 105.647, 299.564



51, 4.083, 229.959



54, 38.375, 252.649



17, 16.915, 245.819

Previews

White Background



This preview shows how the CIELCh color 60, 90.432, 46.858 looks on a white background.

Color Contrast Check

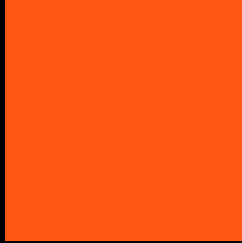
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.432, 46.858 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, 90.432, 46.858

Background



This preview shows how black text looks on a background with the CIELCh color 60, 90.432, 46.858.



This preview shows how white text looks on a background with the CIELCh color 60, 90.432, 46.858.

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, 90.432, 46.858

Protanopia

60, 56.253, 95.164

Deuteranopia

60, 65.320, 83.306



Tritanopia
60, 74.167, 28.735

Trichromacy



Original Color
60, 90.432, 46.858

Protanomaly
58, 61.604, 69.980

Deuteranomaly
59, 70.709, 65.832

Tritanomaly
60, 80.005, 37.352

Monochromacy



Original Color
60, 90.432, 46.858

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 31.514, 47.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 90.432, 46.858 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, 86, 20)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 20)  
}
```

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, 86, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 90.432, 46.858 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, 86, 20) }
```

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

```
.border{ border-color:rgb(255, 86, 20) }
```

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

Here you see how a box with a 4 pixel rgb(255, 86, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 20);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 90.432, 46.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 20) }
```

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

```
.background{ background-color: rgb(255, 86,  
20) }
```

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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