

Converting Colors

CIELCh(60, 91.031, 46.876)

Have a look what the booklet for
CIELCh(60, 91.031, 46.876) contains.

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Color

CIELCh(60, 90.617, 46.977)

Conversions

Conversions Part 1

Format	Color
Hex	FF5614
RGB	255, 86, 20
RGB Percent	100%, 34%, 8%
CMY	0.0000, 0.6611, 0.9235
CMYK	0.00, 0.66, 0.92, 0.00
HSL	17°, 100%, 54%
HSV	17°, 92%, 100%
XYZ	44.9015, 28.1233, 3.7010
YIQ	129.0070, 121.9100, 15.3020

Conversions

Conversions Part 2

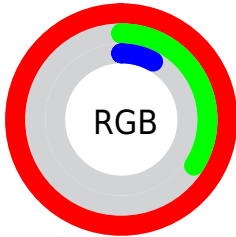
Format	Color
R_{YB}	255, 112, 20
Decimal	16733716
CIE Lab	60.00, 61.83, 66.25
CIE LCh	60, 90.617, 46.977
Yxy	28.1233, 0.5852, 0.3665
Android (android.graphics.Color)	4294923796 (0xFFFF5614)
YUV	129.0070, -53.7405, 110.4959
Hunter-Lab	53.0314, 58.3303, 32.9842

Details

The CIELCh color **60, 90.617, 46.977** 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, 46.408, 250.364**, 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, 96.043, 46.066**, and if you desaturate by 10%, it is **63, 80.702, 47.544**.

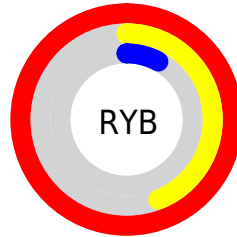
Distribution



Red (100%)

Green (34%)

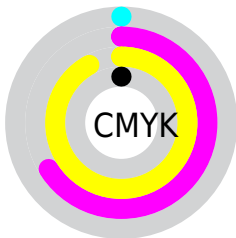
Blue (8%)



Red (100%)

Yellow (44%)

Blue (8%)

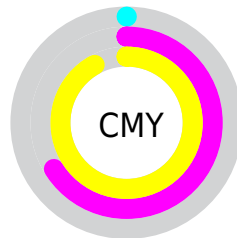


Cyan (0%)

Magenta (66%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (66%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 90.617, 46.977 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, 90.617, 46.977 by changing the saturation by 10% instead.

60, 90.617, 46.977

60, 90.617, 46.977

100, 90.617,
46.977

50, 90.617, 46.977

80, 90.617, 46.977

40, 90.617, 46.977

90, 90.617, 46.977

30, 90.617, 46.977

20, 90.617, 46.977

10, 90.617, 46.977

0, 90.617, 46.977

60, 90.617, 46.977

60, 90.617, 46.977

58, 96.043, 46.066

63, 80.702, 47.544

66, 69.473, 47.560

70, 58.031, 47.489

75, 46.971, 47.506

79, 36.537, 47.660

84, 26.810, 47.948

89, 17.795, 48.348

94, 9.452, 48.821

99, 1.726, 49.102

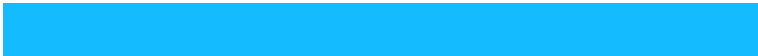
Harmonies

Complementary

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



60, 90.617, 46.977



72, 46.408, 250.364

Rectangle

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



60, 90.617, 46.977



60, 90.617, 96.977



60, 90.617, 226.977



60, 90.617, 276.977

Sweetspot

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



60, 90.437, 47.012



86, 22.805, 48.110



57, 92.820, 342.682



44, 16.019, 47.949



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, 90.437, 47.012



58, 96.043, 46.066



84, 83.345, 87.343



50, 4.304, 48.958



44, 76.862, 46.612



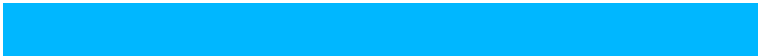
13, 28.769, 42.645

Inverse Universe

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



72, 46.408, 250.364



70, 48.204, 254.187



41, 108.386, 300.363



51, 4.081, 230.343



54, 38.543, 253.235



17, 16.964, 246.370

Previews

White Background



This preview shows how the CIELCh color 60, 90.617, 46.977 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, 90.617, 46.977 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, 90.617, 46.977

Background



This preview shows how black text looks on a background with the CIELCh color 60, 90.617, 46.977.



This preview shows how white text looks on a background with the CIELCh color 60, 90.617, 46.977.

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, 56.592, 95.174

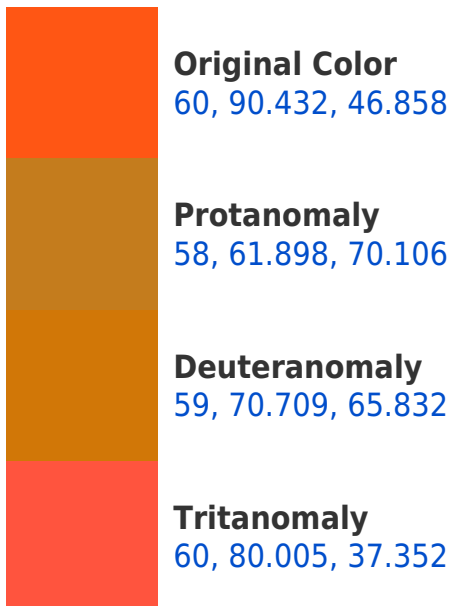
Deuteranopia

60, 65.320, 83.306



Tritanopia
60, 74.167, 28.735

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 90.617, 46.977 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, 90.617, 46.977 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, 90.617, 46.977 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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