

Converting Colors

CIELCh(60, 89.298, 45.910)

Have a look what the booklet for
CIELCh(60, 89.298, 45.910) contains.

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Color

CIELCh(60, 88.991, 45.896)

Conversions

Conversions Part 1

Format	Color
Hex	FF561B
RGB	255, 86, 27
RGB Percent	100%, 34%, 11%
CMY	0.0000, 0.6614, 0.8928
CMYK	0.00, 0.66, 0.89, 0.00
HSL	16°, 100%, 55%
HSV	16°, 89%, 100%
XYZ	44.9386, 28.1233, 4.1177
YIQ	129.8050, 119.6630, 17.4790

Conversions

Conversions Part 2

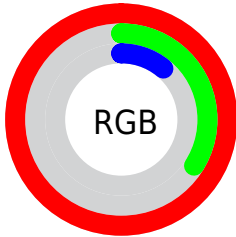
Format	Color
R_{YB}	255, 107, 27
Decimal	16733723
CIE Lab	60.00, 61.93, 63.90
CIE LCh	60, 88.991, 45.896
Yxy	28.1233, 0.5823, 0.3644
Android (android.graphics.Color)	4294923803 (0xFFFF561B)
YUV	129.8050, -50.6829, 109.7960
Hunter-Lab	53.0314, 58.4552, 32.5183

Details

The CIELCh color **60, 88.991, 45.896** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **74, 44.503, 244.120**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 63.316, 53.830**, and **40, 82.262, 40.925** is the 20% darker color. If you saturate the color by 10%, you get **57, 96.744, 45.082**, and if you desaturate by 10%, it is **63, 78.291, 45.929**.

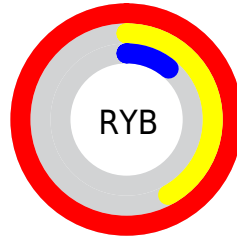
Distribution



Red (100%)

Green (34%)

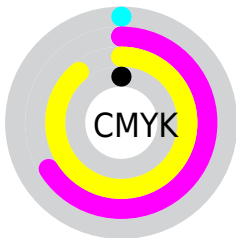
Blue (11%)



Red (100%)

Yellow (42%)

Blue (11%)

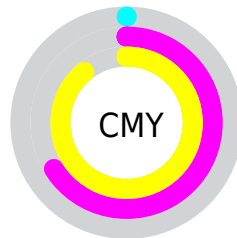


Cyan (0%)

Magenta (66%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (66%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 88.991, 45.896 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, 88.991, 45.896 by changing the saturation by 10% instead.

60, 88.991, 45.896

60, 88.991, 45.896

100, 88.991,
45.896

50, 88.991, 45.896

80, 88.991, 45.896

40, 88.991, 45.896

90, 88.991, 45.896

30, 88.991, 45.896

20, 88.991, 45.896

10, 88.991, 45.896

0, 88.991, 45.896

60, 88.991, 45.896

60, 88.991, 45.896

57, 96.744, 45.082

63, 78.291, 45.929

57, 97.263, 45.036

67, 66.727, 45.615

71, 55.198, 45.323

75, 44.163, 45.175

80, 33.807, 45.194

85, 24.185, 45.363

90, 15.286, 45.652

95, 7.066, 46.006

100, 0.012,
296.813

Harmonies

Complementary

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



60, 88.991, 45.896



74, 44.503, 244.120

Rectangle

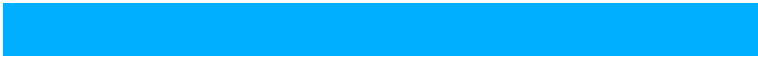
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 88.991, 45.896



60, 88.991, 95.896



60, 88.991, 225.896



60, 88.991, 275.896

Sweetspot

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



60, 88.844, 45.922



86, 22.098, 45.420



58, 94.468, 340.096



44, 15.100, 45.338



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, 88.844, 45.922



57, 97.263, 45.036



83, 81.212, 85.050



50, 4.335, 45.999



43, 77.848, 45.543



12, 29.118, 40.883

Inverse Universe

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



74, 44.503, 244.120



72, 46.534, 249.172



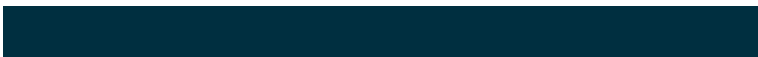
44, 100.123, 297.982



51, 4.101, 227.168



55, 37.272, 248.256



18, 16.598, 241.735

Previews

White Background



This preview shows how the CIELCh color 60, 88.991, 45.896 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, 88.991, 45.896 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, 88.991, 45.896

Background



This preview shows how black text looks on a background with the CIELCh color 60, 88.991, 45.896.



This preview shows how white text looks on a background with the CIELCh color 60, 88.991, 45.896.

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, 88.991, 45.896

Protanopia

60, 54.008, 95.579

Deuteranopia

60, 65.320, 83.306



Tritanopia
60, 73.951, 28.344

Trichromacy



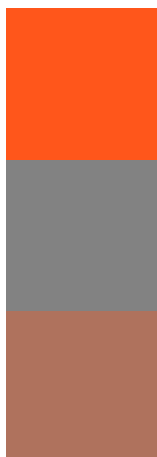
Original Color
60, 88.991, 45.896

Protanomaly
58, 59.382, 68.977

Deuteranomaly
59, 70.269, 65.642

Tritanomaly
60, 79.175, 36.422

Monochromacy



Original Color
60, 88.991, 45.896

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 30.541, 44.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 88.991, 45.896 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 88.991, 45.896 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, 27) }
```

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

```
.border{ border-color:rgb(255, 86, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 88.991, 45.896 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, 27) }
```

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

```
.background{ background-color: rgb(255, 86,  
27) }
```

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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