

Converting Colors

CIELCh(60, 88.009, 44.322)

Have a look what the booklet for
CIELCh(60, 88.009, 44.322) contains.

CIELCh(60, 87.522, 44.482)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(60, 87.522, 44.482)

Conversions

Conversions Part 1

Format	Color
Hex	FF5623
RGB	255, 86, 35
RGB Percent	100%, 34%, 14%
CMY	0.0000, 0.6640, 0.8643
CMYK	0.00, 0.66, 0.86, 0.00
HSL	14°, 100%, 57%
HSV	14°, 86%, 100%
XYZ	45.1154, 28.1233, 4.6104
YIQ	130.7170, 117.0950, 19.9670

Conversions

Conversions Part 2

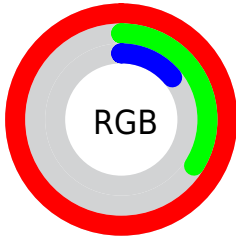
Format	Color
R_{YB}	255, 101, 35
Decimal	16733731
CIE _{Lab}	60.00, 62.44, 61.33
CIE _{LCh}	60, 87.522, 44.482
Yxy	28.1233, 0.5795, 0.3613
Android (android.graphics.Color)	4294923811 (0xFFFF5623)
YUV	130.7170, -47.1885, 108.9962
Hunter-Lab	53.0314, 59.0500, 31.9675

Details

The CIELCh color **60, 87.522, 44.482** 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 **77, 43.085, 237.562**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 61.195, 51.979**, and **40, 82.262, 40.925** is the 20% darker color. If you saturate the color by 10%, you get **57, 96.008, 44.225**, and if you desaturate by 10%, it is **63, 76.087, 44.047**.

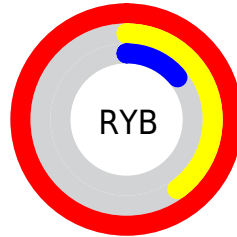
Distribution



Red (100%)

Green (34%)

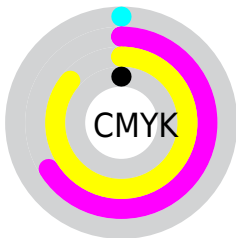
Blue (14%)



Red (100%)

Yellow (40%)

Blue (14%)

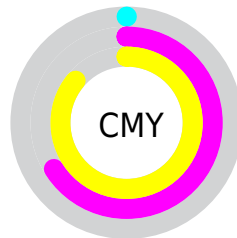


Cyan (0%)

Magenta (66%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (66%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 87.522, 44.482 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, 87.522, 44.482 by changing the saturation by 10% instead.

60, 87.522, 44.482

60, 87.522, 44.482

100, 87.522,
44.482

50, 87.522, 44.482

80, 87.522, 44.482

40, 87.522, 44.482

90, 87.522, 44.482

30, 87.522, 44.482

20, 87.522, 44.482

10, 87.522, 44.482

0, 87.522, 44.482

60, 87.522, 44.482

60, 87.522, 44.482

57, 96.008, 44.225

63, 76.087, 44.047

56, 98.533, 44.031

67, 64.298, 43.417

71, 52.713, 42.901

76, 41.696, 42.579

81, 31.394, 42.450

86, 21.843, 42.487

91, 13.025, 42.650

96, 4.892, 42.856

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, 87.522, 44.482



77, 43.085, 237.562

Rectangle

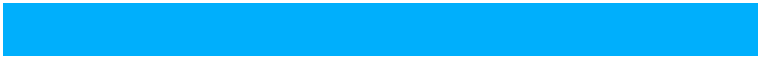
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 87.522, 44.482



60, 87.522, 94.482



60, 87.522, 224.482



60, 87.522, 274.482

Sweetspot

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



60, 87.235, 44.523



86, 21.452, 42.492



59, 95.964, 337.830



44, 14.754, 42.460



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, 87.235, 44.523



56, 98.533, 44.031



81, 78.991, 82.724



50, 4.382, 42.801



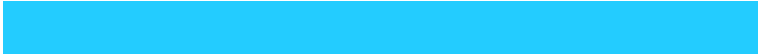
43, 78.883, 44.494



12, 29.515, 39.078

Inverse Universe

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



77, 43.085, 237.562



74, 45.108, 243.374



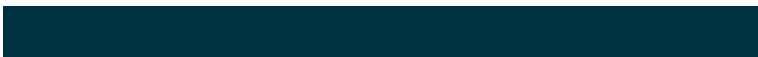
47, 92.119, 295.354



52, 4.136, 223.724



57, 36.197, 242.519



18, 16.317, 236.507

Previews

White Background



This preview shows how the CIELCh color 60, 87.522, 44.482 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, 87.522, 44.482 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, 87.522, 44.482

Background



This preview shows how black text looks on a background with the CIELCh color 60, 87.522, 44.482.



This preview shows how white text looks on a background with the CIELCh color 60, 87.522, 44.482.

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, 87.071, 44.527

Protanopia

60, 51.227, 95.474

Deuteranopia

60, 65.320, 83.306



Tritanopia
60, 74.415, 28.483

Trichromacy



Original Color
60, 87.071, 44.527

Protanomaly
58, 56.915, 67.144

Deuteranomaly
59, 69.883, 64.987

Tritanomaly
60, 78.849, 35.532

Monochromacy



Original Color
60, 87.071, 44.527

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 29.929, 43.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 87.522, 44.482 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 87.522, 44.482 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, 35) }
```

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

```
.border{ border-color:rgb(255, 86, 35) }
```

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, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 87.522, 44.482 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, 35) }
```

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

```
.background{ background-color: rgb(255, 86,  
35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor