

Converting Colors

CIELCh(58, 83.798, 46.064)

Have a look what the booklet for
CIELCh(58, 83.798, 46.064) contains.

CIELCh(58, 83.902, 45.929)	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(58, 83.902, 45.929)

Conversions

Conversions Part 1

Format	Color
Hex	F4561F
RGB	244, 86, 31
RGB Percent	96%, 34%, 12%
CMY	0.0435, 0.6630, 0.8787
CMYK	0.00, 0.65, 0.87, 0.04
HSL	15°, 91%, 54%
HSV	15°, 87%, 96%
XYZ	40.8479, 25.9610, 4.1496
YIQ	126.9720, 111.8230, 16.3910

Conversions

Conversions Part 2

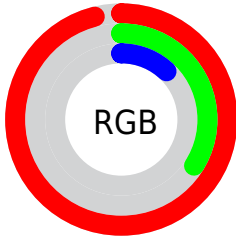
Format	Color
R_{YB}	244, 105, 31
Decimal	16012831
CIE _{Lab}	58.00, 58.36, 60.28
CIE _{LCh}	58, 83.902, 45.929
Yxy	25.9610, 0.5757, 0.3659
Android (android.graphics.Color)	4294202911 (0xFFFF4561F)
YUV	126.9720, -47.3142, 102.6336
Hunter-Lab	50.9519, 53.9367, 30.8377

Details

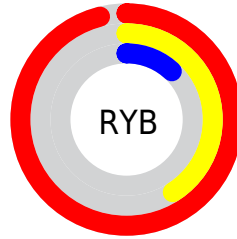
The CIELCh color **58, 83.902, 45.929** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **72, 42.560, 243.004**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 62.373, 52.424**, and **38, 78.290, 41.516** is the 20% darker color. If you saturate the color by 10%, you get **55, 92.109, 45.254**, and if you desaturate by 10%, it is **61, 73.375, 45.812**.

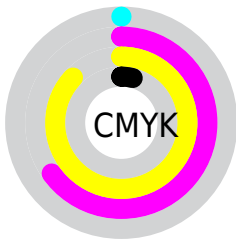
Distribution



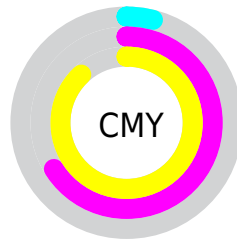
- Red (96%)
- Green (34%)
- Blue (12%)



- Red (96%)
- Yellow (41%)
- Blue (12%)



- Cyan (0%)
- Magenta (65%)
- Yellow (87%)
- Black (4%)



- Cyan (4%)
- Magenta (66%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 83.902, 45.929 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 58, 83.902, 45.929 by changing the saturation by 10% instead.

58, 83.902, 45.929

58, 83.902, 45.929

100, 83.902,
45.929

48, 83.902, 45.929

78, 83.902, 45.929

38, 83.902, 45.929

88, 83.902, 45.929

28, 83.902, 45.929

98, 83.902, 45.929

18, 83.902, 45.929

8, 83.902, 45.929

0, 83.902, 45.929

58, 83.902, 45.929

58, 83.902, 45.929

55, 92.109, 45.254

61, 73.375, 45.812

55, 94.005, 45.069

65, 62.163, 45.475

69, 51.112, 45.200

73, 40.590, 45.080

78, 30.739, 45.126

82, 21.598, 45.316

87, 13.146, 45.618

92, 5.337, 45.964

98, 1.887, 226.882

Harmonies

Complementary

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



58, 83.902, 45.929



72, 42.560, 243.004

Rectangle

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



58, 83.902, 45.929



58, 83.902, 95.929



58, 83.902, 225.929



58, 83.902, 275.929

Sweetspot

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



58, 83.899, 45.931



86, 21.200, 45.349



56, 90.882, 339.805



44, 14.577, 45.263



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 83.899, 45.931



57, 97.306, 45.001



80, 77.671, 85.432



48, 4.193, 45.894



42, 76.278, 45.563



11, 26.641, 39.642

Inverse Universe

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



72, 42.560, 243.004



72, 46.480, 248.986



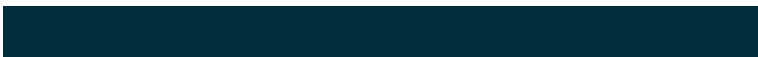
43, 94.290, 297.284



49, 3.967, 227.052



54, 36.468, 247.973



16, 15.665, 240.814

Previews

White Background



This preview shows how the CIELCh color 58, 83.902, 45.929 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 58, 83.902, 45.929 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 58, 83.902, 45.929

Background



This preview shows how black text looks on a background with the CIELCh color 58, 83.902, 45.929.



This preview shows how white text looks on a background with the CIELCh color 58, 83.902, 45.929.

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

58, 83.902, 45.929

Protanopia

58, 51.216, 95.250

Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 70.960, 28.053

Trichromacy



Original Color
58, 83.902, 45.929

Protanomaly
56, 56.509, 68.694

Deuteranomaly
57, 67.823, 66.341

Tritanomaly
58, 75.416, 36.154

Monochromacy



Original Color
58, 83.902, 45.929

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 29.079, 44.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 83.902, 45.929 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, 86, 31)` looks like.

```
.text, #text, p{  
  color:rgb(244, 86, 31)  
}
```

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, 86, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 86, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 83.902, 45.929 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, 86, 31) }
```

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

```
.border{ border-color:rgb(244, 86, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 86, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 86, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 86, 31);  
box-shadow:4px 4px 4px 4px rgb(244, 86,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 83.902, 45.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 86, 31) }
```

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

```
.background{ background-color: rgb(244, 86,  
31) }
```

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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