

Converting Colors

CIELCh(58, 77.709, 43.676)

Have a look what the booklet for
CIELCh(58, 77.709, 43.676) contains.

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Color

CIELCh(58, 77.627, 43.707)

Conversions

Conversions Part 1

Format	Color
Hex	F0592E
RGB	240, 89, 46
RGB Percent	94%, 35%, 18%
CMY	0.0577, 0.6500, 0.8187
CMYK	0.00, 0.63, 0.81, 0.06
HSL	13°, 87%, 56%
HSV	13°, 81%, 94%
XYZ	40.1239, 25.9610, 5.5037
YIQ	129.2470, 103.7990, 18.6390

Conversions

Conversions Part 2

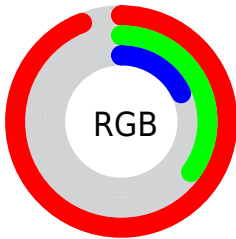
Format	Color
R _Y B	240, 101, 46
Decimal	15751470
CIE Lab	58.00, 56.12, 53.64
CIE LCh	58, 77.627, 43.707
Yxy	25.9610, 0.5605, 0.3626
Android (android.graphics.Color)	4293941550 (0xFFFF0592E)
YUV	129.2470, -41.0408, 97.1304
Hunter-Lab	50.9519, 51.4001, 29.2620

Details

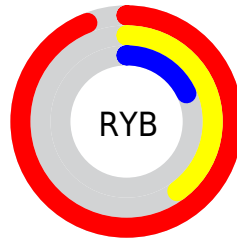
The CIELCh color **58, 77.627, 43.707** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **74, 39.925, 233.532**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 57.467, 49.559**, and **38, 76.262, 42.446** is the 20% darker color. If you saturate the color by 10%, you get **55, 87.614, 44.095**, and if you desaturate by 10%, it is **61, 66.456, 42.978**.

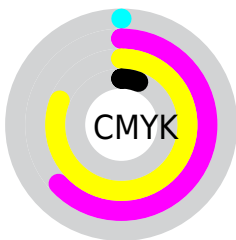
Distribution



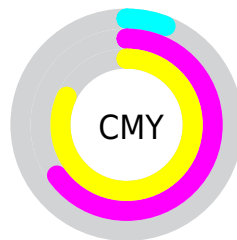
- Red (94%)
- Green (35%)
- Blue (18%)



- Red (94%)
- Yellow (40%)
- Blue (18%)



- Cyan (0%)
- Magenta (63%)
- Yellow (81%)
- Black (6%)



- Cyan (6%)
- Magenta (65%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 77.627, 43.707 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, 77.627, 43.707 by changing the saturation by 10% instead.

 58, 77.627, 43.707

 58, 77.627, 43.707

 100, 77.627,
43.707

 48, 77.627, 43.707

 78, 77.627, 43.707

 38, 77.627, 43.707

 88, 77.627, 43.707

 28, 77.627, 43.707

 98, 77.627, 43.707

 18, 77.627, 43.707

 8, 77.627, 43.707

 0, 77.627, 43.707

 58, 77.627, 43.707

 58, 77.627, 43.707

 55, 87.614, 44.095

 61, 66.456, 42.978

 53, 94.512, 43.782

 65, 55.223, 42.299

70, 44.418, 41.808

74, 34.250, 41.527

79, 24.792, 41.433

84, 16.049, 41.490

89, 7.983, 41.645

94, 0.542, 40.872

99, 5.065, 199.215

Harmonies

Complementary

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



58, 77.627, 43.707



74, 39.925, 233.532

Rectangle

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



58, 77.627, 43.707



58, 77.627, 93.707



58, 77.627, 223.707



58, 77.627, 273.707

Sweetspot

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



58, 77.624, 43.710



87, 19.735, 41.457



57, 89.611, 337.212



44, 13.762, 41.437



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, 77.624, 43.710



57, 96.853, 43.812



78, 72.319, 83.795



47, 4.183, 41.666



41, 76.793, 44.223



10, 25.893, 36.436

Inverse Universe

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



74, 39.925, 233.532



75, 44.336, 239.927



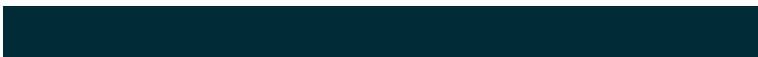
47, 81.438, 293.316



49, 3.947, 222.495



55, 34.804, 240.260



16, 14.927, 233.574

Previews

White Background



This preview shows how the CIELCh color 58, 77.627, 43.707 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, 77.627, 43.707 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, 77.627, 43.707

Background



This preview shows how black text looks on a background with the CIELCh color 58, 77.627, 43.707.



This preview shows how white text looks on a background with the CIELCh color 58, 77.627, 43.707.

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, 77.627, 43.707

Protanopia

58, 44.018, 95.968

Deuteranopia

58, 56.648, 82.610



Tritanopia
58, 68.159, 27.014

Trichromacy



Original Color
58, 77.627, 43.707

Protanomaly
57, 49.383, 67.553

Deuteranomaly
57, 60.520, 64.141

Tritanomaly
58, 70.958, 34.131

Monochromacy



Original Color
58, 77.627, 43.707

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 26.165, 40.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 77.627, 43.707 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(240, 89, 46)` looks like.

```
.text, #text, p{  
    color:rgb(240, 89, 46)  
}
```

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(240, 89, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 89, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 77.627, 43.707 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(240, 89, 46) }
```

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

```
.border{ border-color:rgb(240, 89, 46) }
```

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

Here you see how a box with a 4 pixel rgb(240, 89, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 89, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 89, 46);  
box-shadow:4px 4px 4px 4px rgb(240, 89,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 77.627, 43.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 89, 46) }
```

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

```
.background{ background-color: rgb(240, 89,  
46) }
```

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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