

Converting Colors

CIELCh(58, 77.495, 43.818)

Have a look what the booklet for
CIELCh(58, 77.495, 43.818) contains.

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Color

CIELCh(58, 77.424, 44.004)

Conversions

Conversions Part 1

Format	Color
Hex	F05A2E
RGB	240, 90, 46
RGB Percent	94%, 35%, 18%
CMY	0.0597, 0.6478, 0.8203
CMYK	0.00, 0.63, 0.81, 0.06
HSL	14°, 86%, 56%
HSV	14°, 81%, 94%
XYZ	39.9877, 25.9610, 5.4705
YIQ	129.8340, 103.5240, 18.1160

Conversions

Conversions Part 2

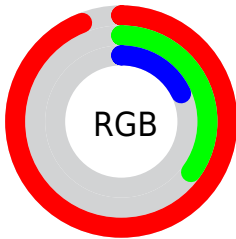
Format	Color
R _Y B	240, 103, 46
Decimal	15751726
CIE Lab	58.00, 55.69, 53.79
CIE LCh	58, 77.424, 44.004
Yxy	25.9610, 0.5599, 0.3635
Android (android.graphics.Color)	4293941806 (0xFFFF05A2E)
YUV	129.8340, -41.3302, 96.6156
Hunter-Lab	50.9519, 50.9231, 29.3007

Details

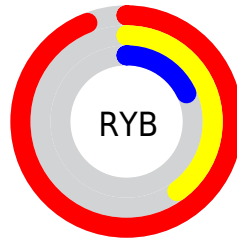
The CIELCh color **58, 77.424, 44.004** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **74, 39.947, 234.514**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 57.467, 49.559**, and **38, 75.945, 42.738** is the 20% darker color. If you saturate the color by 10%, you get **55, 87.355, 44.319**, and if you desaturate by 10%, it is **61, 66.301, 43.336**.

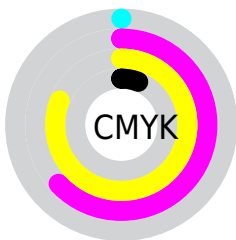
Distribution



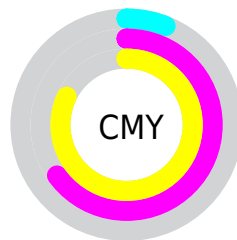
- Red (94%)
- Green (35%)
- Blue (18%)



- 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, 77.424, 44.004 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, 77.424, 44.004 by changing the saturation by 10% instead.

58, 77.424, 44.004

58, 77.424, 44.004

100, 77.424,
44.004

48, 77.424, 44.004

78, 77.424, 44.004

38, 77.424, 44.004

88, 77.424, 44.004

28, 77.424, 44.004

98, 77.424, 44.004

18, 77.424, 44.004

8, 77.424, 44.004

0, 77.424, 44.004

58, 77.424, 44.004

58, 77.424, 44.004

55, 87.355, 44.319

61, 66.301, 43.336

53, 94.145, 43.952

65, 55.111, 42.707

70, 44.346, 42.257

74, 34.216, 42.012

79, 24.794, 41.949

84, 16.082, 42.034

89, 8.044, 42.214

94, 0.626, 41.621

99, 5.240, 199.200

Harmonies

Complementary

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



58, 77.424, 44.004



74, 39.947, 234.514

Rectangle

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



58, 77.424, 44.004



58, 77.424, 94.004



58, 77.424, 224.004



58, 77.424, 274.004

Sweetspot

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



58, 77.421, 44.007



87, 19.685, 41.993



57, 89.516, 337.223



45, 13.726, 41.962



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, 77.421, 44.007



57, 96.629, 43.996



78, 72.270, 83.776



47, 4.173, 42.241



41, 76.618, 44.399



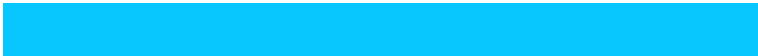
10, 25.821, 36.767

Inverse Universe

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



74, 39.947, 234.514



75, 44.510, 240.998



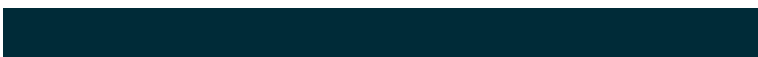
47, 81.431, 293.354



49, 3.939, 223.115



55, 34.945, 241.337



16, 14.953, 234.520

Previews

White Background



This preview shows how the CIELCh color 58, 77.424, 44.004 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, 77.424, 44.004 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, 77.424, 44.004

Background



This preview shows how black text looks on a background with the CIELCh color 58, 77.424, 44.004.



This preview shows how white text looks on a background with the CIELCh color 58, 77.424, 44.004.

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, 77.424, 44.004

Protanopia

58, 44.574, 95.412

Deuteranopia

58, 56.648, 82.610



Tritanopia
58, 67.291, 26.806

Trichromacy



Original Color
58, 77.424, 44.004

Protanomaly
57, 49.796, 67.816

Deuteranomaly
57, 60.520, 64.141

Tritanomaly
58, 70.456, 34.056

Monochromacy



Original Color
58, 77.424, 44.004

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 26.441, 41.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 77.424, 44.004 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, 90, 46)` looks like.

```
.text, #text, p{  
    color:rgb(240, 90, 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, 90, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 90, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 77.424, 44.004 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, 90, 46) }
```

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

```
.border{ border-color:rgb(240, 90, 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, 90, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 90, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 90, 46);  
box-shadow:4px 4px 4px 4px rgb(240, 90,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 77.424, 44.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 90, 46) }
```

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

```
.background{ background-color: rgb(240, 90,  
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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