

Converting Colors

CIELCh(58, 81.319, 42.425)

Have a look what the booklet for
CIELCh(58, 81.319, 42.425) contains.

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Color

CIELCh(58, 81.188, 42.567)

Conversions

Conversions Part 1

Format	Color
Hex	F5542C
RGB	245, 84, 44
RGB Percent	96%, 33%, 17%
CMY	0.0389, 0.6703, 0.8272
CMYK	0.00, 0.66, 0.82, 0.04
HSL	12°, 91%, 57%
HSV	12°, 82%, 96%
XYZ	41.3160, 25.9610, 5.2224
YIQ	127.5790, 108.7960, 21.6920

Conversions

Conversions Part 2

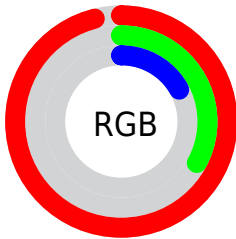
Format	Color
RYB	245, 94, 44
Decimal	16077868
CIELab	58.00, 59.79, 54.92
CIELCh	58, 81.188, 42.567
Yxy	25.9610, 0.5699, 0.3581
Android (android.graphics.Color)	4294267948 (0xFFFF5542C)
YUV	127.5790, -41.2044, 102.9782
Hunter-Lab	50.9519, 55.5767, 29.5893

Details

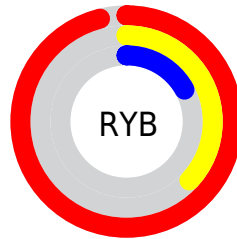
The CIELCh color **58, 81.188, 42.567** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **77, 40.600, 229.674**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 58.886, 47.624**, and **38, 79.198, 41.031** is the 20% darker color. If you saturate the color by 10%, you get **55, 91.076, 43.153**, and if you desaturate by 10%, it is **61, 69.827, 41.576**.

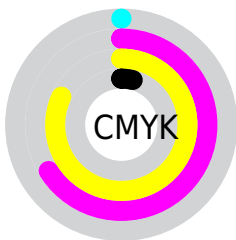
Distribution



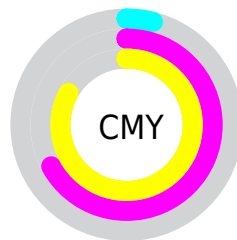
- Red (96%)
- Green (33%)
- Blue (17%)



- Red (96%)
- Yellow (37%)
- Blue (17%)



- Cyan (0%)
- Magenta (66%)
- Yellow (82%)
- Black (4%)



- Cyan (4%)
- Magenta (67%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 81.188, 42.567 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, 81.188, 42.567 by changing the saturation by 10% instead.

58, 81.188, 42.567

58, 81.188, 42.567

100, 81.188,
42.567

48, 81.188, 42.567

78, 81.188, 42.567

38, 81.188, 42.567

88, 81.188, 42.567

28, 81.188, 42.567

98, 81.188, 42.567

18, 81.188, 42.567

8, 81.188, 42.567

0, 81.188, 42.567

58, 81.188, 42.567

58, 81.188, 42.567

55, 91.076, 43.153

61, 69.827, 41.576

54, 96.892, 43.056

65, 58.273, 40.638

70, 47.095, 39.914

74, 36.539, 39.431

79, 26.703, 39.163

85, 17.605, 39.068

90, 9.217, 39.095

95, 1.485, 38.904

99, 3.430, 199.381

Harmonies

Complementary

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



58, 81.188, 42.567



77, 40.600, 229.674

Rectangle

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



58, 81.188, 42.567



58, 81.188, 92.567



58, 81.188, 222.567



58, 81.188, 272.567

Sweetspot

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



58, 81.185, 42.569



86, 20.906, 39.081



58, 93.654, 335.661



44, 14.477, 39.113



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, 81.185, 42.569



56, 98.521, 43.006



78, 73.314, 80.718



48, 4.308, 39.108



41, 78.380, 43.461



10, 27.488, 35.779

Inverse Universe

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



77, 40.600, 229.674



77, 43.823, 235.438



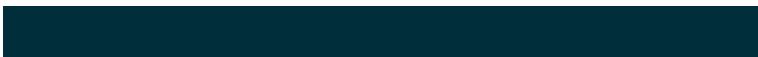
49, 79.995, 291.808



50, 4.059, 219.732



57, 34.669, 235.388



17, 15.291, 229.630

Previews

White Background



This preview shows how the CIELCh color 58, 81.188, 42.567 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, 81.188, 42.567 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, 81.188, 42.567

Background



This preview shows how black text looks on a background with the CIELCh color 58, 81.188, 42.567.



This preview shows how white text looks on a background with the CIELCh color 58, 81.188, 42.567.

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, 81.188, 42.567

Protanopia

58, 44.574, 95.412

Deuteranopia

58, 58.191, 82.961



Tritanopia
58, 71.822, 28.254

Trichromacy



Original Color
58, 81.188, 42.567

Protanomaly
56, 50.417, 65.669

Deuteranomaly
57, 62.605, 63.233

Tritanomaly
58, 75.190, 34.237

Monochromacy



Original Color
58, 81.188, 42.567

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 28.054, 39.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 81.188, 42.567 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(245, 84, 44)` looks like.

```
.text, #text, p{  
    color:rgb(245, 84, 44)  
}
```

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(245, 84, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 84, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 81.188, 42.567 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(245, 84, 44) }
```

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

```
.border{ border-color:rgb(245, 84, 44) }
```

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

Here you see how a box with a 4 pixel rgb(245, 84, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 84, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 84, 44);  
box-shadow:4px 4px 4px 4px rgb(245, 84,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 81.188, 42.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 84, 44) }
```

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

```
.background{ background-color: rgb(245, 84,  
44) }
```

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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