

Converting Colors

CIELCh(58, 85.143, 52.537)

Have a look what the booklet for
CIELCh(58, 85.143, 52.537) contains.

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Color

CIELCh(58, 84.918, 52.417)

Conversions

Conversions Part 1

Format	Color
Hex	EC5E01
RGB	236, 94, 1
RGB Percent	93%, 37%, 0%
CMY	0.0730, 0.6301, 0.9980
CMYK	0.00, 0.60, 1.00, 0.07
HSL	24°, 100%, 46%
HSV	24°, 100%, 93%
XYZ	38.7525, 25.9610, 2.9829
YIQ	125.8560, 114.4850, 1.1810

Conversions

Conversions Part 2

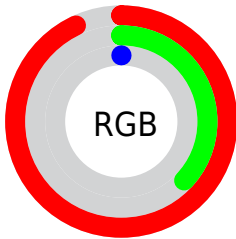
Format	Color
RYB	236, 155, 1
Decimal	15490561
CIELab	58.00, 51.79, 67.30
CIELCh	58, 84.918, 52.417
Yxy	25.9610, 0.5724, 0.3835
Android (android.graphics.Color)	4293680641 (0xFFEC5E01)
YUV	125.8560, -61.5540, 96.5963
Hunter-Lab	50.9519, 46.5958, 32.1954

Details

The CIELCh color **58, 84.918, 52.417** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **58, 55.981, 272.788**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 67.799, 60.250**, and **38, 73.070, 44.323** is the 20% darker color. If you saturate the color by 10%, you get **58, 85.050, 52.377**, and if you desaturate by 10%, it is **61, 78.432, 54.608**.

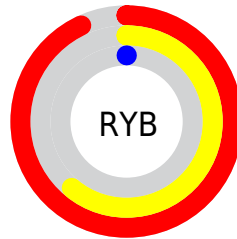
Distribution



Red (93%)

Green (37%)

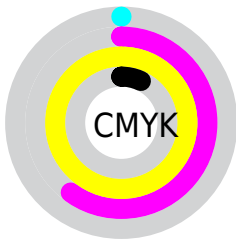
Blue (0%)



Red (93%)

Yellow (61%)

Blue (0%)

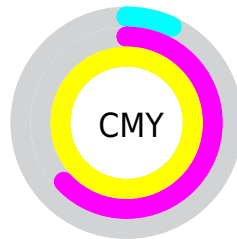


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 84.918, 52.417 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, 84.918, 52.417 by changing the saturation by 10% instead.

■ 58, 84.918, 52.417

■ 58, 84.918, 52.417

■ 100, 84.918,
52.417

■ 48, 84.918, 52.417

■ 78, 84.918, 52.417

■ 38, 84.918, 52.417

■ 88, 84.918, 52.417

■ 28, 84.918, 52.417

■ 98, 84.918, 52.417

■ 18, 84.918, 52.417

■ 8, 84.918, 52.417

■ 0, 84.918, 52.417

■ 58, 84.918, 52.417

■ 58, 84.918, 52.417

■ 58, 85.050, 52.377

■ 61, 78.432, 54.608

■ 64, 69.799, 56.067

67, 60.055, 57.082

70, 50.135, 57.951

74, 40.494, 58.806

78, 31.325, 59.696

81, 22.690, 60.629

85, 14.588, 61.594

89, 6.988, 62.559

Harmonies

Complementary

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



58, 84.918, 52.417



58, 55.981, 272.788

Rectangle

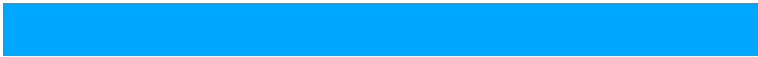
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 84.918, 52.417



58, 84.918, 102.417



58, 84.918, 232.417



58, 84.918, 282.417

Sweetspot

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



58, 84.915, 52.419



87, 24.329, 60.597



52, 82.914, 351.922



45, 16.832, 60.198



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, 84.915, 52.419



62, 90.197, 52.217



84, 84.264, 94.603



47, 4.027, 62.589



45, 69.260, 53.046



11, 22.565, 50.313

Inverse Universe

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



58, 55.981, 272.788



62, 59.595, 273.118



32, 120.069, 304.874



47, 3.877, 244.753



45, 45.302, 271.954



11, 17.338, 263.050

Previews

White Background



This preview shows how the CIELCh color 58, 84.918, 52.417 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, 84.918, 52.417 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, 84.918, 52.417

Background



This preview shows how black text looks on a background with the CIELCh color 58, 84.918, 52.417.



This preview shows how white text looks on a background with the CIELCh color 58, 84.918, 52.417.

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, 84.771, 52.334

Protanopia

58, 58.355, 94.984

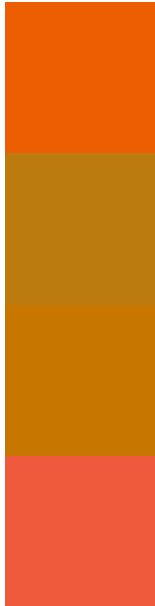
Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 65.074, 26.247

Trichromacy



Original Color
58, 84.771, 52.334

Protanomaly
57, 62.832, 73.961

Deuteranomaly
57, 68.747, 69.020

Tritanomaly
58, 72.758, 40.354

Monochromacy



Original Color
58, 84.771, 52.334

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 31.698, 58.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 84.918, 52.417 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(236, 94, 1)` looks like.

```
.text, #text, p{  
    color:rgb(236, 94, 1)  
}
```

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(236, 94, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 94, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 84.918, 52.417 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(236, 94, 1) }
```

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

```
.border{ border-color:rgb(236, 94, 1) }
```

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

Here you see how a box with a 4 pixel rgb(236, 94, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 94, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 94, 1);  
box-shadow:4px 4px 4px 4px rgb(236, 94, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 84.918, 52.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 94, 1) }
```

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

```
.background{ background-color: rgb(236, 94,  
1) }
```

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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