

Converting Colors

CIELCh(58, 84.438, 52.555)

Have a look what the booklet for
CIELCh(58, 84.438, 52.555) contains.

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Color

CIELCh(58, 84.427, 52.530)

Conversions

Conversions Part 1

Format	Color
Hex	EC5F02
RGB	236, 95, 2
RGB Percent	93%, 37%, 1%
CMY	0.0753, 0.6280, 0.9931
CMYK	0.00, 0.60, 0.99, 0.08
HSL	24°, 99%, 47%
HSV	24°, 99%, 92%
XYZ	38.6173, 25.9610, 3.0258
YIQ	126.5570, 113.8890, 0.9690

Conversions

Conversions Part 2

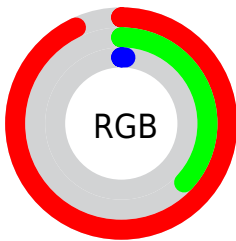
Format	Color
R_{YB}	236, 156, 2
Decimal	15490818
CIE _{Lab}	58.00, 51.36, 67.01
CIE _{LCh}	58, 84.427, 52.530
Yxy	25.9610, 0.5712, 0.3840
Android (android.graphics.Color)	4293680898 (0xFFEC5F02)
YUV	126.5570, -61.4066, 95.9815
Hunter-Lab	50.9519, 46.1223, 32.1454

Details

The CIELCh color **58, 84.427, 52.530** 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, 55.623, 272.526**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 67.443, 60.036**, and **38, 72.876, 44.528** is the 20% darker color. If you saturate the color by 10%, you get **58, 84.890, 52.384**, and if you desaturate by 10%, it is **61, 77.873, 54.708**.

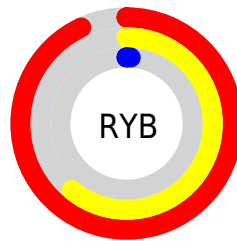
Distribution



Red (93%)

Green (37%)

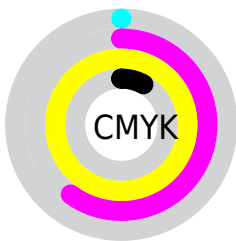
Blue (1%)



Red (93%)

Yellow (61%)

Blue (1%)

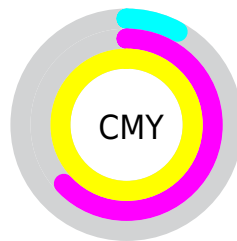


Cyan (0%)

Magenta (60%)

Yellow (99%)

Black (8%)



Cyan (8%)

Magenta (63%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 84.427, 52.530 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, 84.427, 52.530 by changing the saturation by 10% instead.

 58, 84.427, 52.530

 58, 84.427, 52.530

 100, 84.427,
52.530

 48, 84.427, 52.530

 78, 84.427, 52.530

 38, 84.427, 52.530

 88, 84.427, 52.530

 28, 84.427, 52.530

 98, 84.427, 52.530

 18, 84.427, 52.530

 8, 84.427, 52.530

 0, 84.427, 52.530

 58, 84.427, 52.530

 58, 84.427, 52.530

 58, 84.890, 52.384

 61, 77.873, 54.708

 64, 69.164, 56.132

67, 59.411, 57.133

70, 49.517, 57.999

74, 39.917, 58.855

78, 30.794, 59.748

81, 22.205, 60.682

85, 14.146, 61.648

90, 6.586, 62.612

Harmonies

Complementary

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



58, 84.427, 52.530



58, 55.623, 272.526

Rectangle

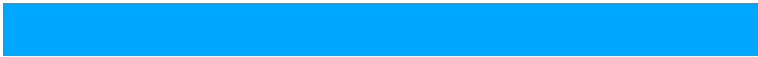
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 84.427, 52.530



58, 84.427, 102.530



58, 84.427, 232.530



58, 84.427, 282.530

Sweetspot

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



58, 84.424, 52.532



87, 24.329, 60.600



52, 82.750, 351.766



45, 16.832, 60.200



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, 84.424, 52.532



62, 90.195, 52.219



84, 84.031, 94.652



47, 4.027, 62.592



45, 69.259, 53.048



11, 22.565, 50.316

Inverse Universe

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



58, 55.623, 272.526



62, 59.598, 273.121



32, 119.443, 304.795



47, 3.877, 244.756



45, 45.304, 271.958



11, 17.339, 263.054

Previews

White Background



This preview shows how the CIELCh color 58, 84.427, 52.530 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, 84.427, 52.530 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, 84.427, 52.530

Background



This preview shows how black text looks on a background with the CIELCh color 58, 84.427, 52.530.



This preview shows how white text looks on a background with the CIELCh color 58, 84.427, 52.530.

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, 84.427, 52.530

Protanopia

58, 58.355, 94.984

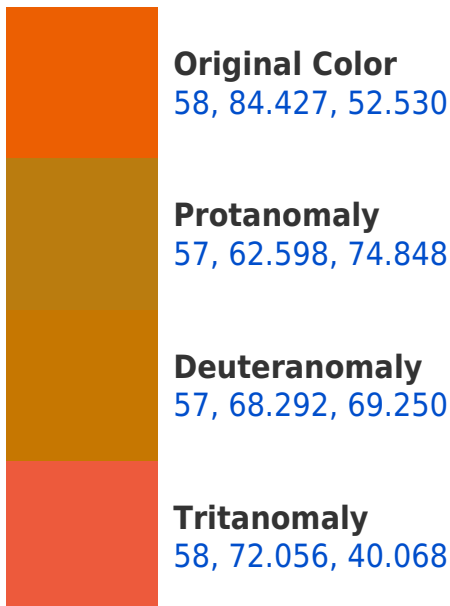
Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 64.489, 25.714

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 84.427, 52.530 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, 95, 2)` looks like.

```
.text, #text, p{  
    color:rgb(236, 95, 2)  
}
```

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, 95, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 95, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 84.427, 52.530 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, 95, 2) }
```

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

```
.border{ border-color:rgb(236, 95, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 95, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 95, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 95, 2);  
box-shadow:4px 4px 4px 4px rgb(236, 95, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 84.427, 52.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 95, 2) }
```

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

```
.background{ background-color: rgb(236, 95,  
2) }
```

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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