

Converting Colors

CIELCh(58, 88.153, 48.069)

Have a look what the booklet for
CIELCh(58, 88.153, 48.069) contains.

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Color

CIELCh(58, 88.166, 48.128)

Conversions

Conversions Part 1

Format	Color
Hex	F5550D
RGB	245, 85, 13
RGB Percent	96%, 33%, 5%
CMY	0.0389, 0.6664, 0.9487
CMYK	0.00, 0.65, 0.95, 0.04
HSL	19°, 92%, 51%
HSV	19°, 95%, 96%
XYZ	41.0073, 25.9610, 3.2335
YIQ	124.6320, 118.4720, 11.5280

Conversions

Conversions Part 2

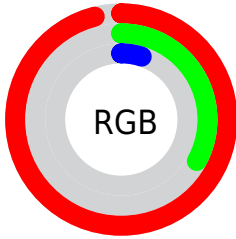
Format	Color
RYB	245, 117, 13
Decimal	16078093
CIELab	58.00, 58.85, 65.65
CIElCh	58, 88.166, 48.128
Yxy	25.9610, 0.5841, 0.3698
Android (android.graphics.Color)	4294268173 (0xFFFF5550D)
YUV	124.6320, -55.0346, 105.5627
Hunter-Lab	50.9519, 54.4951, 31.9037

Details

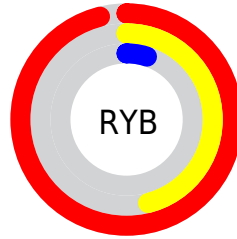
The CIELCh color **58, 88.166, 48.128** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **67, 47.250, 256.267**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 66.723, 55.339**, and **38, 78.875, 41.299** is the 20% darker color. If you saturate the color by 10%, you get **57, 91.839, 47.336**, and if you desaturate by 10%, it is **61, 79.474, 49.156**.

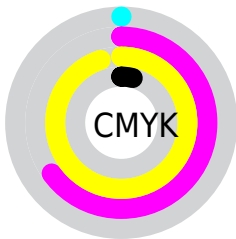
Distribution



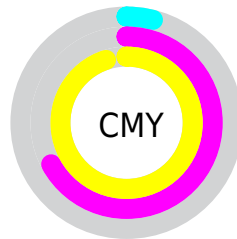
- Red (96%)
- Green (33%)
- Blue (5%)



- Red (96%)
- Yellow (46%)
- Blue (5%)



- Cyan (0%)
- Magenta (65%)
- Yellow (95%)
- Black (4%)



- Cyan (4%)
- Magenta (67%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 88.166, 48.128 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, 88.166, 48.128 by changing the saturation by 10% instead.

 58, 88.166, 48.128

 58, 88.166, 48.128

 100, 88.166,
48.128

 48, 88.166, 48.128

 78, 88.166, 48.128

 38, 88.166, 48.128

 88, 88.166, 48.128

 28, 88.166, 48.128

 98, 88.166, 48.128

 18, 88.166, 48.128

 8, 88.166, 48.128

 0, 88.166, 48.128

 58, 88.166, 48.128

 58, 88.166, 48.128

 57, 91.839, 47.336

 61, 79.474, 49.156

 64, 68.983, 49.521

68, 58.070, 49.703

72, 47.414, 49.915

76, 37.306, 50.229

80, 27.850, 50.655

85, 19.059, 51.180

90, 10.905, 51.774

94, 3.336, 52.331

Harmonies

Complementary

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



58, 88.166, 48.128



67, 47.250, 256.267

Rectangle

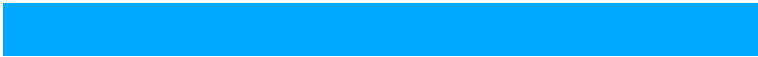
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 88.166, 48.128



58, 88.166, 98.128



58, 88.166, 228.128



58, 88.166, 278.128

Sweetspot

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



58, 88.163, 48.130



86, 22.648, 50.992



55, 89.233, 344.211



44, 15.900, 50.767



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, 88.163, 48.130



59, 94.719, 47.265



82, 81.959, 88.408



49, 4.143, 52.088



43, 74.239, 47.912



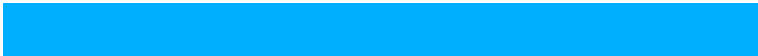
12, 25.953, 43.582

Inverse Universe

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



67, 47.250, 256.267



68, 50.305, 259.119



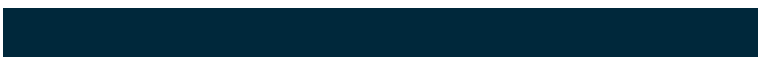
38, 109.702, 301.577



49, 3.941, 233.681



51, 39.314, 258.040



15, 16.440, 250.198

Previews

White Background



This preview shows how the CIELCh color 58, 88.166, 48.128 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, 88.166, 48.128 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, 88.166, 48.128

Background



This preview shows how black text looks on a background with the CIELCh color 58, 88.166, 48.128.



This preview shows how white text looks on a background with the CIELCh color 58, 88.166, 48.128.

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, 88.166, 48.128

Protanopia

58, 56.570, 95.416

Deuteranopia

58, 63.614, 84.009



Tritanopia
58, 72.467, 28.053

Trichromacy



Original Color
58, 88.166, 48.128

Protanomaly
56, 61.509, 70.970

Deuteranomaly
57, 68.753, 66.742

Tritanomaly
58, 78.207, 37.878

Monochromacy



Original Color
58, 88.166, 48.128

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 31.638, 49.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 88.166, 48.128 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, 85, 13)` looks like.

```
.text, #text, p{  
    color:rgb(245, 85, 13)  
}
```

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, 85, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 85, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 88.166, 48.128 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, 85, 13) }
```

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

```
.border{ border-color:rgb(245, 85, 13) }
```

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

Here you see how a box with a 4 pixel rgb(245, 85, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 85, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 85, 13);  
box-shadow:4px 4px 4px 4px rgb(245, 85,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 88.166, 48.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 85, 13) }
```

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

```
.background{ background-color: rgb(245, 85,  
13) }
```

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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