

Converting Colors

CIELCh(58, 74.003, 37.296)

Have a look what the booklet for
CIELCh(58, 74.003, 37.296) contains.

CIELCh(58, 73.816, 37.365)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(58, 73.816, 37.365)

Conversions

Conversions Part 1

Format	Color
Hex	F25640
RGB	242, 86, 64
RGB Percent	95%, 34%, 25%
CMY	0.0503, 0.6621, 0.7485
CMYK	0.00, 0.64, 0.74, 0.05
HSL	7°, 87%, 60%
HSV	7°, 74%, 95%
XYZ	40.9487, 25.9610, 7.7228
YIQ	130.1360, 100.0380, 26.2300

Conversions

Conversions Part 2

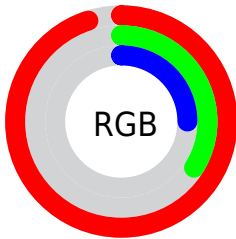
Format	Color
RYB	242, 89, 64
Decimal	15881792
CIELab	58.00, 58.67, 44.80
CIElCh	58, 73.816, 37.365
Yxy	25.9610, 0.5487, 0.3479
Android (android.graphics.Color)	4294071872 (0xFFFF25640)
YUV	130.1360, -32.6050, 98.1047
Hunter-Lab	50.9519, 54.2896, 26.6798

Details

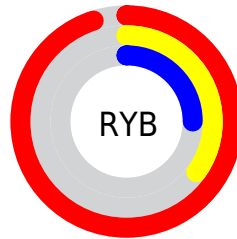
The CIELCh color **58, 73.816, 37.365** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed red. A complement of this color would be **81, 39.532, 214.427**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 52.666, 40.579**, and **38, 73.728, 37.396** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.999, 39.312**, and if you desaturate by 10%, it is **62, 62.142, 35.565**.

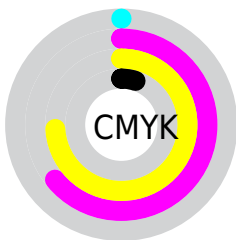
Distribution



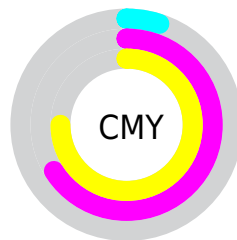
- Red (95%)
- Green (34%)
- Blue (25%)



- Red (95%)
- Yellow (35%)
- Blue (25%)



- Cyan (0%)
- Magenta (64%)
- Yellow (74%)
- Black (5%)



- Cyan (5%)
- Magenta (66%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 73.816, 37.365 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, 73.816, 37.365 by changing the saturation by 10% instead.

 58, 73.816, 37.365

 58, 73.816, 37.365

 100, 73.816,
37.365

 48, 73.816, 37.365

 78, 73.816, 37.365

 38, 73.816, 37.365

 88, 73.816, 37.365

 28, 73.816, 37.365

 98, 73.816, 37.365

 18, 73.816, 37.365

 8, 73.816, 37.365

 0, 73.816, 37.365

 58, 73.816, 37.365

 58, 73.816, 37.365

 55, 84.999, 39.312

 62, 62.142, 35.565

 53, 94.232, 40.790

 66, 50.649, 34.099

52, 98.476, 41.327

71, 39.659, 32.987

76, 29.334, 32.182

82, 19.741, 31.623

88, 10.880, 31.241

93, 2.716, 30.858

99, 4.422, 199.275

Harmonies

Complementary

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



58, 73.816, 37.365



81, 39.532, 214.427

Rectangle

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



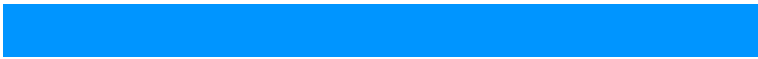
58, 73.816, 37.365



58, 73.816, 87.365



58, 73.816, 217.365



58, 73.816, 267.365

Sweetspot

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



58, 73.813, 37.368



87, 19.137, 31.558



60, 92.209, 332.113



44, 13.006, 31.682



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, 73.813, 37.368



57, 93.316, 40.127



76, 65.100, 76.447



47, 4.459, 31.116



39, 79.669, 41.608



9, 27.375, 30.677

Inverse Universe

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



81, 39.532, 214.427



83, 43.401, 216.908



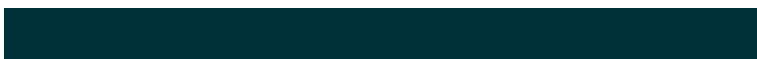
56, 63.256, 284.006



49, 4.192, 211.069



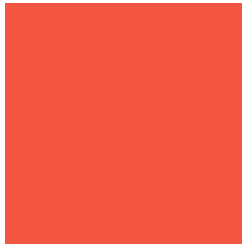
61, 34.358, 219.061



18, 15.152, 215.512

Previews

White Background



This preview shows how the CIELCh color 58, 73.816, 37.365 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, 73.816, 37.365 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, 73.816, 37.365

Background



This preview shows how black text looks on a background with the CIELCh color 58, 73.816, 37.365.



This preview shows how white text looks on a background with the CIELCh color 58, 73.816, 37.365.

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, 73.816, 37.365

Protanopia

58, 33.337, 96.192

Deuteranopia

58, 47.719, 81.091



Tritanopia
58, 69.025, 27.222

Trichromacy



Original Color
58, 73.816, 37.365

Protanomaly
56, 40.659, 59.152

Deuteranomaly
57, 52.900, 58.265

Tritanomaly
58, 70.754, 31.242

Monochromacy



Original Color
58, 73.816, 37.365

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 25.460, 32.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 73.816, 37.365 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(242, 86, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 86, 64)  
}
```

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(242, 86, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 86, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 73.816, 37.365 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(242, 86, 64) }
```

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

```
.border{ border-color:rgb(242, 86, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 86, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 86, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 86, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 86,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 73.816, 37.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 86, 64) }
```

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

```
.background{ background-color: rgb(242, 86,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor