

Converting Colors

CIELCh(58, 80.979, 37.710)

Have a look what the booklet for
CIELCh(58, 80.979, 37.710) contains.

CIELCh(58, 80.979, 37.710)	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, 80.979, 37.710)

Conversions

Conversions Part 1

Format	Color
Hex	FA4E38
RGB	250, 78, 56
RGB Percent	98%, 31%, 22%
CMY	0.0208, 0.6952, 0.7812
CMYK	0.00, 0.69, 0.78, 0.02
HSL	7°, 95%, 60%
HSV	7°, 78%, 98%
XYZ	42.7292, 25.9610, 6.4723
YIQ	126.9200, 109.5740, 29.6220

Conversions

Conversions Part 2

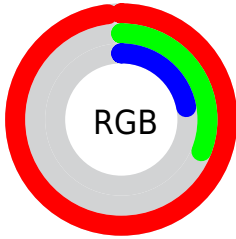
Format	Color
RYB	250, 81, 56
Decimal	16404024
CIELab	58.00, 64.06, 49.53
CIELCh	58, 80.979, 37.710
Yxy	25.9610, 0.5685, 0.3454
Android (android.graphics.Color)	4294594104 (0xFFFA4E38)
YUV	126.9200, -34.9636, 107.9412
Hunter-Lab	50.9519, 60.5274, 28.1349

Details

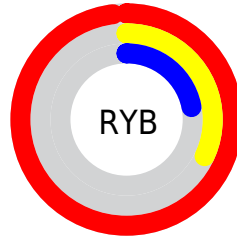
The CIELCh color **58, 80.979, 37.710** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **83, 41.623, 213.282**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 56.210, 40.988**, and **38, 80.299, 38.283** is the 20% darker color. If you saturate the color by 10%, you get **55, 91.803, 39.712**, and if you desaturate by 10%, it is **62, 69.111, 35.676**.

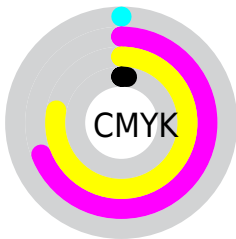
Distribution



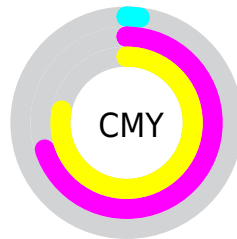
- Red (98%)
- Green (31%)
- Blue (22%)



- Red (98%)
- Yellow (32%)
- Blue (22%)



- Cyan (0%)
- Magenta (69%)
- Yellow (78%)
- Black (2%)



- Cyan (2%)
- Magenta (70%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 80.979, 37.710 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, 80.979, 37.710 by changing the saturation by 10% instead.

 58, 80.979, 37.710

 58, 80.979, 37.710

 100, 80.979,
37.710

 48, 80.979, 37.710

 78, 80.979, 37.710

 38, 80.979, 37.710

 88, 80.979, 37.710

 28, 80.979, 37.710

 98, 80.979, 37.710

 18, 80.979, 37.710

 8, 80.979, 37.710

 0, 80.979, 37.710

 58, 80.979, 37.710

 58, 80.979, 37.710

 55, 91.803, 39.712

 62, 69.111, 35.676

 53, 99.641, 40.865

 66, 57.169, 33.947

■ 53, 101.095,
41.125

■ 71, 45.604, 32.598

■ 76, 34.651, 31.595

■ 82, 24.423, 30.876

■ 88, 14.952, 30.373

■ 94, 6.220, 29.998

■ 100, 1.798,
201.633

■ 100, 1.840,
199.649

Harmonies

Complementary

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



58, 80.979, 37.710



83, 41.623, 213.282

Rectangle

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



58, 80.979, 37.710



58, 80.979, 87.710



58, 80.979, 217.710



58, 80.979, 267.710

Sweetspot

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



58, 80.976, 37.712



86, 20.260, 30.620



61, 98.339, 331.665



44, 14.237, 30.816



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, 80.976, 37.712



55, 98.136, 40.498



76, 69.790, 74.182



49, 4.654, 30.066



40, 81.590, 41.380



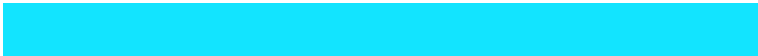
10, 30.038, 31.932

Inverse Universe

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



83, 41.623, 213.282



83, 43.999, 215.884



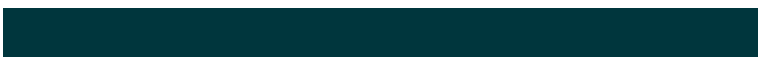
57, 66.873, 284.286



51, 4.374, 209.929



63, 35.267, 216.916



20, 16.115, 214.010

Previews

White Background



This preview shows how the CIELCh color 58, 80.979, 37.710 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, 80.979, 37.710 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, 80.979, 37.710

Background



This preview shows how black text looks on a background with the CIELCh color 58, 80.979, 37.710.



This preview shows how white text looks on a background with the CIELCh color 58, 80.979, 37.710.

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, 80.979, 37.710

Protanopia

58, 37.041, 95.965

Deuteranopia

58, 52.494, 82.040



Tritanopia
58, 75.931, 29.584

Trichromacy



Original Color
58, 80.979, 37.710

Protanomaly
56, 45.536, 58.751

Deuteranomaly
57, 58.011, 58.618

Tritanomaly
58, 77.641, 32.725

Monochromacy



Original Color
58, 80.979, 37.710

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 28.366, 31.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 80.979, 37.710 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(250, 78, 56)` looks like.

```
.text, #text, p{  
    color:rgb(250, 78, 56)  
}
```

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(250, 78, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 78, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 80.979, 37.710 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(250, 78, 56) }
```

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

```
.border{ border-color:rgb(250, 78, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 78, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 78, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 78, 56);  
box-shadow:4px 4px 4px 4px rgb(250, 78,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 80.979, 37.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 78, 56) }
```

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

```
.background{ background-color: rgb(250, 78,  
56) }
```

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