

Converting Colors

CIELCh(58, 80.413, 31.463)

Have a look what the booklet for
CIELCh(58, 80.413, 31.463) contains.

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Color

CIELCh(58, 80.494, 31.550)

Conversions

Conversions Part 1

Format	Color
Hex	FE4646
RGB	254, 70, 70
RGB Percent	100%, 27%, 27%
CMY	0.0031, 0.7246, 0.7249
CMYK	0.00, 0.72, 0.72, 0.00
HSL	0°, 99%, 64%
HSV	0°, 72%, 100%
XYZ	44.2639, 25.9610, 8.4974
YIQ	125.0160, 109.6640, 39.0080

Conversions

Conversions Part 2

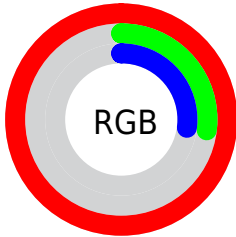
Format	Color
R_{YB}	254, 70, 70
Decimal	16664134
CIE _{Lab}	58.00, 68.60, 42.12
CIE _{LCh}	58, 80.494, 31.550
Yxy	25.9610, 0.5623, 0.3298
Android (android.graphics.Color)	4294854214 (0xFFFE4646)
YUV	125.0160, -27.1229, 113.1190
Hunter-Lab	50.9519, 65.9038, 25.7784

Details

The CIELCh color **58, 80.494, 31.550** 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 **91, 45.992, 196.661**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.240, 31.062**, and **39, 77.659, 34.131** is the 20% darker color. If you saturate the color by 10%, you get **55, 91.528, 35.151**, and if you desaturate by 10%, it is **62, 68.523, 28.367**.

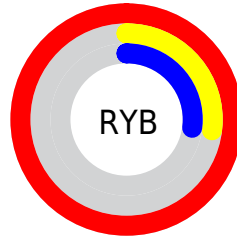
Distribution



Red (100%)

Green (27%)

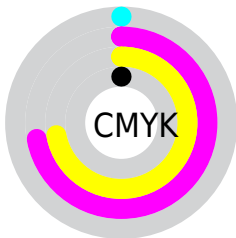
Blue (27%)



Red (100%)

Yellow (27%)

Blue (27%)

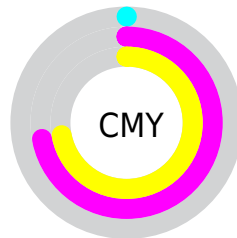


Cyan (0%)

Magenta (72%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 80.494, 31.550 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, 80.494, 31.550 by changing the saturation by 10% instead.

 58, 80.494, 31.550

 58, 80.494, 31.550

 100, 80.494,
31.550

 48, 80.494, 31.550

 78, 80.494, 31.550

 38, 80.494, 31.550

 88, 80.494, 31.550

 28, 80.494, 31.550

 98, 80.494, 31.550

 18, 80.494, 31.550

 8, 80.494, 31.550


 0, 80.494, 31.550

 58, 80.494, 31.550

 58, 80.494, 31.550

 55, 91.528, 35.151

 62, 68.523, 28.367

 54, 100.245,

 67, 56.288, 25.797

38.396

72, 44.224, 23.805

53, 104.326,
40.003

78, 32.641, 22.283

85, 21.727, 21.117

91, 11.563, 20.207

98, 2.154, 19.275

100, 0.274,
201.809

Harmonies

Complementary

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



58, 80.494, 31.550



91, 45.992, 196.661

Rectangle

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



58, 80.494, 31.550



58, 80.494, 81.550



58, 80.494, 211.550



58, 80.494, 261.550

Sweetspot

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



58, 80.491, 31.552



85, 21.355, 21.077



64, 102.822, 327.857



43, 14.501, 21.360



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, 80.491, 31.552



55, 96.195, 36.767



74, 65.573, 65.994



49, 5.252, 19.973



40, 84.225, 40.004



10, 33.360, 27.194

Inverse Universe

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



91, 45.992, 196.661



91, 49.087, 196.494



65, 53.590, 272.783



52, 4.943, 198.994



70, 40.344, 196.443



24, 18.561, 196.436

Previews

White Background



This preview shows how the CIELCh color 58, 80.494, 31.550 looks on a white background.

Color Contrast Check

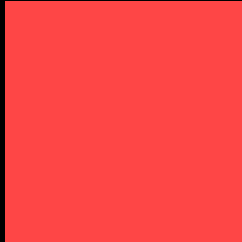
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.494, 31.550 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, 80.494, 31.550

Background



This preview shows how black text looks on a background with the CIELCh color 58, 80.494, 31.550.



This preview shows how white text looks on a background with the CIELCh color 58, 80.494, 31.550.

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, 80.494, 31.550

Protanopia

58, 26.245, 96.514

Deuteranopia

58, 45.275, 80.784



Tritanopia
58, 79.764, 30.511

Trichromacy



Original Color
58, 80.494, 31.550

Protanomaly
56, 38.897, 47.890

Deuteranomaly
56, 53.225, 51.772

Tritanomaly
58, 80.004, 30.861

Monochromacy



Original Color
58, 80.494, 31.550

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 29.151, 23.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 80.494, 31.550 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(254, 70, 70)` looks like.

```
.text, #text, p{  
    color:rgb(254, 70, 70)  
}
```

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(254, 70, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 70, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 80.494, 31.550 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(254, 70, 70) }
```

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

```
.border{ border-color:rgb(254, 70, 70) }
```

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

Here you see how a box with a 4 pixel rgb(254, 70, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 70, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 70, 70);  
box-shadow:4px 4px 4px 4px rgb(254, 70,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 80.494, 31.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 70, 70) }
```

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

```
.background{ background-color: rgb(254, 70,  
70) }
```

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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