

Converting Colors

CIELCh(58, 82.199, 31.626)

Have a look what the booklet for
CIELCh(58, 82.199, 31.626) contains.

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Color

CIELCh(58, 81.745, 31.338)

Conversions

Conversions Part 1

Format	Color
Hex	FF4446
RGB	255, 68, 70
RGB Percent	100%, 27%, 27%
CMY	0.0000, 0.7340, 0.7272
CMYK	0.00, 0.73, 0.73, 0.00
HSL	359°, 100%, 63%
HSV	359°, 73%, 100%
XYZ	44.6845, 25.9610, 8.3797
YIQ	124.1410, 110.8100, 40.2660

Conversions

Conversions Part 2

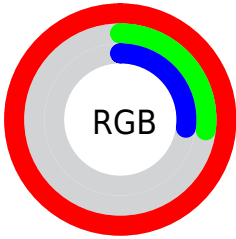
Format	Color
R_{YB}	255, 68, 70
Decimal	16729158
CIE Lab	58.00, 69.82, 42.51
CIE LCh	58, 81.745, 31.338
Yxy	25.9610, 0.5654, 0.3285
Android (android.graphics.Color)	4294919238 (0xFFFF4446)
YUV	124.1410, -26.6915, 114.7633
Hunter-Lab	50.9519, 67.3775, 25.9154

Details

The CIELCh color **58, 81.745, 31.338** 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 **92, 46.635, 195.450**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.530, 30.566**, and **40, 77.750, 33.875** is the 20% darker color. If you saturate the color by 10%, you get **55, 92.261, 35.005**, and if you desaturate by 10%, it is **62, 69.619, 28.014**.

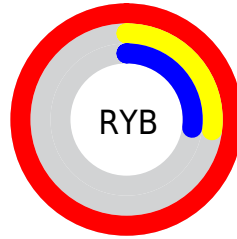
Distribution



Red (100%)

Green (27%)

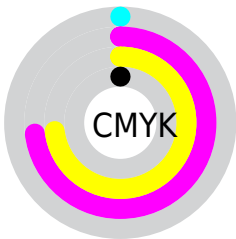
Blue (27%)



Red (100%)

Yellow (27%)

Blue (27%)

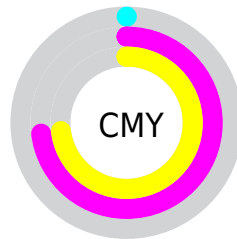


Cyan (0%)

Magenta (73%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (73%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 81.745, 31.338 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, 81.745, 31.338 by changing the saturation by 10% instead.

 58, 81.745, 31.338

 58, 81.745, 31.338

 100, 81.745,
31.338

 48, 81.745, 31.338

 78, 81.745, 31.338

 38, 81.745, 31.338

 88, 81.745, 31.338

 28, 81.745, 31.338

 98, 81.745, 31.338

 18, 81.745, 31.338

 8, 81.745, 31.338


 0, 81.745, 31.338

 58, 81.745, 31.338

 58, 81.745, 31.338

 55, 92.261, 35.005

 62, 69.619, 28.014

 54, 100.728,

 66, 57.466, 25.350

38.330

72, 45.420, 23.279

53, 104.201,
39.741

78, 33.805, 21.690

84, 22.824, 20.469

91, 12.574, 19.513

98, 3.070, 18.626

100, 0.012,
296.813

Harmonies

Complementary

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



58, 81.745, 31.338



92, 46.635, 195.450

Rectangle

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



58, 81.745, 31.338



58, 81.745, 81.338



58, 81.745, 211.338



58, 81.745, 261.338

Sweetspot

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



58, 81.435, 31.304



85, 21.341, 20.321



63, 103.820, 327.332



43, 14.488, 20.612



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, 81.435, 31.304



54, 96.579, 36.657



74, 66.730, 64.318



49, 5.253, 19.187



40, 83.799, 39.629



10, 33.289, 26.804

Inverse Universe

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



58, 81.435, 31.304



54, 96.579, 36.657



66, 52.980, 271.331



49, 5.253, 19.187



40, 83.799, 39.629



10, 33.289, 26.804

Previews

White Background



This preview shows how the CIELCh color 58, 81.745, 31.338 looks on a white background.

Color Contrast Check

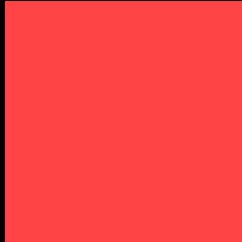
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 58, 81.745, 31.338 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, 81.745, 31.338

Background



This preview shows how black text looks on a background with the CIELCh color 58, 81.745, 31.338.



This preview shows how white text looks on a background with the CIELCh color 58, 81.745, 31.338.

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, 81.294, 31.194

Protanopia

58, 25.828, 95.385

Deuteranopia

58, 45.538, 80.208



Tritanopia
58, 81.294, 31.194

Trichromacy



Original Color
58, 81.294, 31.194

Protanomaly
55, 39.215, 46.131

Deuteranomaly
56, 53.725, 51.552

Tritanomaly
58, 81.294, 31.194

Monochromacy



Original Color
58, 81.294, 31.194

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 29.644, 23.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 81.745, 31.338 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(255, 68, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 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(255, 68, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 81.745, 31.338 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(255, 68, 70) }
```

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

```
.border{ border-color:rgb(255, 68, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 68, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 81.745, 31.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 70) }
```

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

```
.background{ background-color: rgb(255, 68,  
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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