

Converting Colors

CIELCh(58, 81.721, 31.009)

Have a look what the booklet for
CIELCh(58, 81.721, 31.009) contains.

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Color

CIELCh(58, 81.499, 31.000)

Conversions

Conversions Part 1

Format	Color
Hex	FF4447
RGB	255, 68, 71
RGB Percent	100%, 27%, 28%
CMY	0.0000, 0.7342, 0.7234
CMYK	0.00, 0.73, 0.72, 0.00
HSL	359°, 100%, 63%
HSV	359°, 73%, 100%
XYZ	44.6979, 25.9610, 8.5401
YIQ	124.2550, 110.4890, 40.5770

Conversions

Conversions Part 2

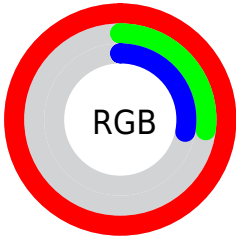
Format	Color
R_{YB}	255, 68, 71
Decimal	16729159
CIE _{Lab}	58.00, 69.86, 41.98
CIE _{LCh}	58, 81.499, 31.000
Yxy	25.9610, 0.5644, 0.3278
Android (android.graphics.Color)	4294919239 (0xFFFF4447)
YUV	124.2550, -26.2547, 114.6634
Hunter-Lab	50.9519, 67.4243, 25.7287

Details

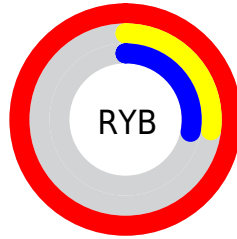
The CIELCh color **58, 81.499, 31.000** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **92, 46.782, 194.792**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.332, 30.041**, and **40, 77.483, 33.552** is the 20% darker color. If you saturate the color by 10%, you get **55, 91.976, 34.714**, and if you desaturate by 10%, it is **62, 69.460, 27.652**.

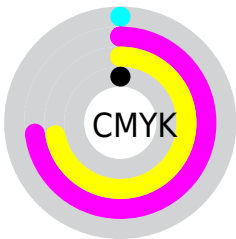
Distribution



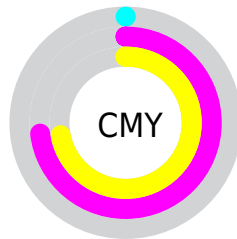
- Red (100%)
- Green (27%)
- Blue (28%)



- Red (100%)
- Yellow (27%)
- Blue (28%)



- Cyan (0%)
- Magenta (73%)
- Yellow (72%)
- Black (0%)



- Cyan (0%)
- Magenta (73%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 81.499, 31.000 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, 81.499, 31.000 by changing the saturation by 10% instead.

■ 58, 81.499, 31.000 ■ 58, 81.499, 31.000

■ 100, 81.499, 31.000 ■ 48, 81.499, 31.000

■ 78, 81.499, 31.000 ■ 38, 81.499, 31.000

■ 88, 81.499, 31.000 ■ 28, 81.499, 31.000

■ 98, 81.499, 31.000 ■ 18, 81.499, 31.000

■ 8, 81.499, 31.000

■ 0, 81.499, 31.000

■ 58, 81.499, 31.000 ■ 58, 81.499, 31.000

■ 55, 91.976, 34.714 ■ 62, 69.460, 27.652

■ 54, 100.485, ■ 66, 57.369, 24.972

38.139

72, 45.370, 22.888

53, 103.990,
39.593

78, 33.788, 21.286

84, 22.827, 20.052

91, 12.586, 19.083

98, 3.084, 18.184

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, 81.499, 31.000



92, 46.782, 194.792

Rectangle

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



58, 81.499, 31.000



58, 81.499, 81.000



58, 81.499, 211.000



58, 81.499, 261.000

Sweetspot

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



58, 81.205, 30.966



85, 21.330, 19.901



63, 103.832, 327.332



43, 14.479, 20.195



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, 81.205, 30.966



54, 96.281, 36.398



74, 66.744, 64.316



49, 5.252, 18.750



40, 83.560, 39.419



10, 33.244, 26.589

Inverse Universe

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



58, 81.205, 30.966



54, 96.281, 36.398



66, 52.990, 271.337



49, 5.252, 18.750



40, 83.560, 39.419



10, 33.244, 26.589

Previews

White Background



This preview shows how the CIELCh color 58, 81.499, 31.000 looks on a white background.

Color Contrast Check

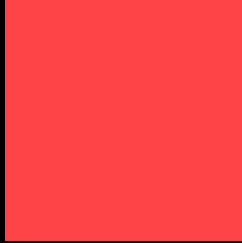
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.499, 31.000 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, 81.499, 31.000

Background



This preview shows how black text looks on a background with the CIELCh color 58, 81.499, 31.000.



This preview shows how white text looks on a background with the CIELCh color 58, 81.499, 31.000.

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, 81.050, 30.852

Protanopia

58, 25.288, 95.218

Deuteranopia

58, 45.086, 80.026



Tritanopia
58, 81.294, 31.194

Trichromacy



Original Color
58, 81.050, 30.852

Protanomaly
55, 38.886, 45.485

Deuteranomaly
56, 53.364, 51.168

Tritanomaly
58, 81.294, 31.194

Monochromacy



Original Color
58, 81.050, 30.852

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 29.541, 22.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 81.499, 31.000 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 81.499, 31.000 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, 71) }
```

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

```
.border{ border-color:rgb(255, 68, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 81.499, 31.000 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, 71) }
```

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

```
.background{ background-color: rgb(255, 68,  
71) }
```

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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