

Converting Colors

CIELCh(58, 81.691, 32.494)

Have a look what the booklet for
CIELCh(58, 81.691, 32.494) contains.

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Color

CIELCh(58, 81.630, 32.596)

Conversions

Conversions Part 1

Format	Color
Hex	FF4643
RGB	255, 70, 67
RGB Percent	100%, 27%, 26%
CMY	0.0010, 0.7265, 0.7380
CMYK	0.00, 0.73, 0.74, 0.00
HSL	1°, 100%, 63%
HSV	1°, 74%, 100%
XYZ	44.3245, 25.9610, 7.9554
YIQ	124.9730, 111.2230, 38.2870

Conversions

Conversions Part 2

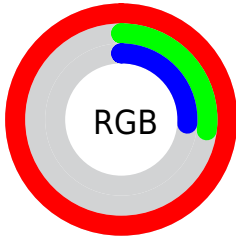
Format	Color
R_{YB}	255, 70, 67
Decimal	16729667
CIE _{Lab}	58.00, 68.77, 43.98
CIE _{LCh}	58, 81.630, 32.596
Yxy	25.9610, 0.5665, 0.3318
Android (android.graphics.Color)	4294919747 (0xFFFF4643)
YUV	124.9730, -28.5807, 114.0337
Hunter-Lab	50.9519, 66.1161, 26.4091

Details

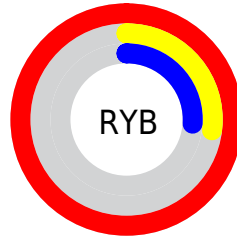
The CIELCh color **58, 81.630, 32.596** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 45.605, 198.579**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.876, 32.612**, and **40, 78.804, 35.097** is the 20% darker color. If you saturate the color by 10%, you get **55, 92.619, 36.003**, and if you desaturate by 10%, it is **62, 69.644, 29.516**.

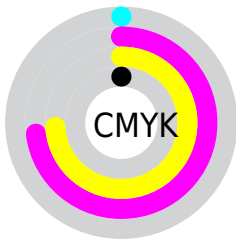
Distribution



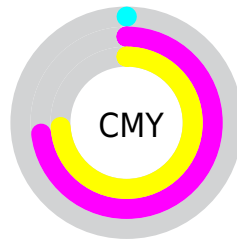
- Red (100%)
- Green (27%)
- Blue (26%)



- Red (100%)
- Yellow (27%)
- Blue (26%)



- Cyan (0%)
- Magenta (73%)
- Yellow (74%)
- Black (0%)



- Cyan (0%)
- Magenta (73%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 81.630, 32.596 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, 81.630, 32.596 by changing the saturation by 10% instead.

 58, 81.630, 32.596

 58, 81.630, 32.596

 100, 81.630,
32.596

 48, 81.630, 32.596

 78, 81.630, 32.596

 38, 81.630, 32.596

 88, 81.630, 32.596

 28, 81.630, 32.596

 98, 81.630, 32.596

 18, 81.630, 32.596

 8, 81.630, 32.596


 0, 81.630, 32.596

 58, 81.630, 32.596

 58, 81.630, 32.596

 55, 92.619, 36.003

 62, 69.644, 29.516

 54, 101.044,

 66, 57.401, 27.004

38.898

72, 45.343, 25.050

53, 104.305,
40.110

78, 33.775, 23.558

84, 22.880, 22.421

91, 12.736, 21.542

97, 3.351, 20.744

100, 0.092,
206.658

Harmonies

Complementary

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



58, 81.630, 32.596



91, 45.605, 198.579

Rectangle

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



58, 81.630, 32.596



58, 81.630, 82.596



58, 81.630, 212.596



58, 81.630, 262.596

Sweetspot

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



58, 81.627, 32.598



85, 21.044, 22.250



64, 104.127, 327.892



44, 14.292, 22.516



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, 81.627, 32.598



54, 97.583, 37.665



74, 66.976, 65.779



50, 5.173, 21.218



40, 84.013, 40.158



10, 33.043, 27.939

Inverse Universe

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



91, 45.605, 198.579



90, 48.344, 198.695



65, 54.642, 273.338



52, 4.867, 200.340



69, 39.478, 198.855



23, 18.209, 198.552

Previews

White Background



This preview shows how the CIELCh color 58, 81.630, 32.596 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, 81.630, 32.596 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, 81.630, 32.596

Background



This preview shows how black text looks on a background with the CIELCh color 58, 81.630, 32.596.



This preview shows how white text looks on a background with the CIELCh color 58, 81.630, 32.596.

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, 81.630, 32.596

Protanopia

58, 28.483, 96.114

Deuteranopia

58, 47.281, 80.936



Tritanopia
58, 80.599, 30.706

Trichromacy



Original Color
58, 81.630, 32.596

Protanomaly
56, 40.086, 48.849

Deuteranomaly
56, 54.685, 53.247

Tritanomaly
58, 81.086, 31.392

Monochromacy



Original Color
58, 81.630, 32.596

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 29.263, 24.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 81.630, 32.596 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, 70, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 67)  
}
```

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, 70, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 81.630, 32.596 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, 70, 67) }
```

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

```
.border{ border-color:rgb(255, 70, 67) }
```

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

Here you see how a box with a 4 pixel rgb(255, 70, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 81.630, 32.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 67) }
```

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

```
.background{ background-color: rgb(255, 70,  
67) }
```

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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