

Converting Colors

CIELCh(58, 84.900, 35.270)

Have a look what the booklet for
CIELCh(58, 84.900, 35.270) contains.

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Color

CIELCh(58, 84.655, 35.320)

Conversions

Conversions Part 1

Format	Color
Hex	FF453A
RGB	255, 69, 58
RGB Percent	100%, 27%, 23%
CMY	0.0000, 0.7300, 0.7741
CMYK	0.00, 0.73, 0.77, 0.00
HSL	3°, 100%, 61%
HSV	3°, 77%, 100%
XYZ	44.4276, 25.9610, 6.6200
YIQ	123.3600, 114.3870, 36.0110

Conversions

Conversions Part 2

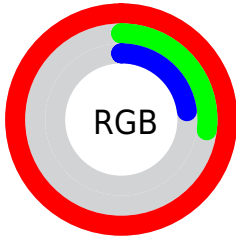
Format	Color
R_{YB}	255, 70, 58
Decimal	16729402
CIE _{Lab}	58.00, 69.07, 48.94
CIE _{LCh}	58, 84.655, 35.320
Yxy	25.9610, 0.5769, 0.3371
Android (android.graphics.Color)	4294919482 (0xFFFF453A)
YUV	123.3600, -32.2225, 115.4483
Hunter-Lab	50.9519, 66.4775, 27.9630

Details

The CIELCh color **58, 84.655, 35.320** 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 **88, 44.408, 204.405**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 57.277, 36.506**, and **40, 81.195, 37.598** is the 20% darker color. If you saturate the color by 10%, you get **55, 95.030, 38.091**, and if you desaturate by 10%, it is **61, 72.372, 32.574**.

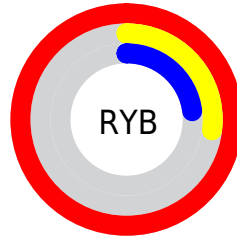
Distribution



Red (100%)

Green (27%)

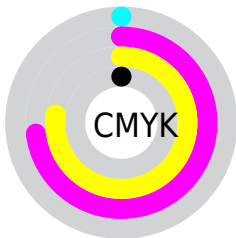
Blue (23%)



Red (100%)

Yellow (27%)

Blue (23%)

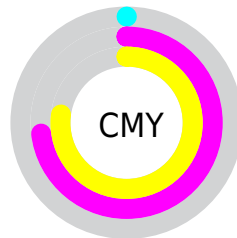


Cyan (0%)

Magenta (73%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (73%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 84.655, 35.320 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, 84.655, 35.320 by changing the saturation by 10% instead.

 58, 84.655, 35.320

 58, 84.655, 35.320

 100, 84.655,
35.320

 48, 84.655, 35.320

 78, 84.655, 35.320

 38, 84.655, 35.320

 88, 84.655, 35.320

 28, 84.655, 35.320

 98, 84.655, 35.320

 18, 84.655, 35.320

 8, 84.655, 35.320


 0, 84.655, 35.320

 58, 84.655, 35.320

 58, 84.655, 35.320

 55, 95.030, 38.091

 61, 72.372, 32.574

 54, 102.456,

 66, 60.138, 30.272

39.979

71, 48.119, 28.460

54, 103.870,
40.417

77, 36.614, 27.080

82, 25.791, 26.044

89, 15.726, 25.267

95, 6.423, 24.648

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, 84.655, 35.320



88, 44.408, 204.405

Rectangle

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



58, 84.655, 35.320



58, 84.655, 85.320



58, 84.655, 215.320



58, 84.655, 265.320

Sweetspot

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



58, 84.325, 35.306



85, 21.259, 25.674



62, 103.338, 329.730



43, 14.932, 25.973



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, 84.325, 35.306



54, 99.750, 39.328



75, 70.351, 69.698



50, 4.971, 24.775



40, 83.449, 40.575



10, 32.241, 29.962

Inverse Universe

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



88, 44.408, 204.405



87, 46.266, 205.510



61, 62.328, 279.873



52, 4.673, 204.189



67, 37.456, 205.967



22, 17.370, 204.729

Previews

White Background



This preview shows how the CIELCh color 58, 84.655, 35.320 looks on a white background.

Color Contrast Check

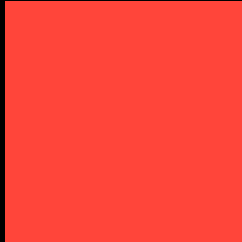
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.655, 35.320 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, 84.655, 35.320

Background



This preview shows how black text looks on a background with the CIELCh color 58, 84.655, 35.320.



This preview shows how white text looks on a background with the CIELCh color 58, 84.655, 35.320.

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, 84.191, 35.218

Protanopia

58, 33.984, 95.486

Deuteranopia

58, 51.721, 81.749



Tritanopia
58, 81.294, 31.194

Trichromacy



Original Color
58, 84.191, 35.218

Protanomaly
55, 44.664, 53.603

Deuteranomaly
56, 58.439, 55.879

Tritanomaly
58, 82.549, 32.851

Monochromacy



Original Color
58, 84.191, 35.218

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 30.229, 27.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 84.655, 35.320 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, 69, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 58)  
}
```

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, 69, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 84.655, 35.320 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, 69, 58) }
```

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

```
.border{ border-color:rgb(255, 69, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 69, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 84.655, 35.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 58) }
```

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

```
.background{ background-color: rgb(255, 69,  
58) }
```

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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