

Converting Colors

CIELCh(58, 83.057, 33.643)

Have a look what the booklet for
CIELCh(58, 83.057, 33.643) contains.

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Color

CIELCh(58, 82.865, 33.685)

Conversions

Conversions Part 1

Format	Color
Hex	FF453F
RGB	255, 69, 63
RGB Percent	100%, 27%, 25%
CMY	0.0000, 0.7283, 0.7522
CMYK	0.00, 0.73, 0.75, 0.00
HSL	2°, 100%, 62%
HSV	2°, 75%, 100%
XYZ	44.3860, 25.9610, 7.4024
YIQ	123.9300, 112.7820, 37.5660

Conversions

Conversions Part 2

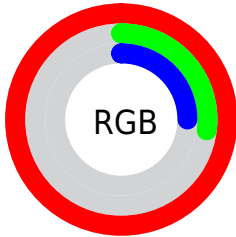
Format	Color
R_{YB}	255, 69, 63
Decimal	16729407
CIE _{Lab}	58.00, 68.95, 45.96
CIE _{LCh}	58, 82.865, 33.685
Yxy	25.9610, 0.5709, 0.3339
Android (android.graphics.Color)	4294919487 (0xFFFF453F)
YUV	123.9300, -30.0385, 114.9484
Hunter-Lab	50.9519, 66.3318, 27.0526

Details

The CIELCh color **58, 82.865, 33.685** 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 **90, 45.160, 200.730**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 56.053, 34.116**, and **40, 79.815, 36.197** is the 20% darker color. If you saturate the color by 10%, you get **55, 93.666, 36.860**, and if you desaturate by 10%, it is **62, 70.777, 30.720**.

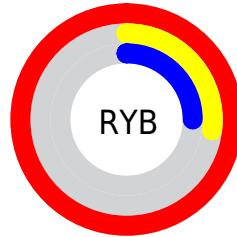
Distribution



Red (100%)

Green (27%)

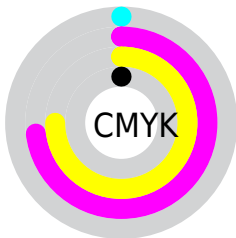
Blue (25%)



Red (100%)

Yellow (27%)

Blue (25%)

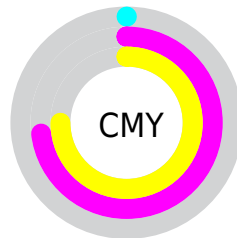


Cyan (0%)

Magenta (73%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (73%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 82.865, 33.685 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, 82.865, 33.685 by changing the saturation by 10% instead.

 58, 82.865, 33.685

 58, 82.865, 33.685

 100, 82.865,
33.685

 48, 82.865, 33.685

 78, 82.865, 33.685

 38, 82.865, 33.685

 88, 82.865, 33.685

 28, 82.865, 33.685

 98, 82.865, 33.685

 18, 82.865, 33.685

 8, 82.865, 33.685


 0, 82.865, 33.685

 58, 82.865, 33.685

 58, 82.865, 33.685

 55, 93.666, 36.860

 62, 70.777, 30.720

 54, 101.716,

 66, 58.532, 28.279

39.361

71, 46.486, 26.372

53, 104.196,
40.223

77, 34.938, 24.917

83, 24.067, 23.815

90, 13.950, 22.973

97, 4.594, 22.256

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, 82.865, 33.685



90, 45.160, 200.730

Rectangle

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



58, 82.865, 33.685



58, 82.865, 83.685



58, 82.865, 213.685



58, 82.865, 263.685

Sweetspot

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



58, 82.759, 33.680



85, 21.757, 23.609



63, 104.162, 328.485



43, 15.277, 23.951



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, 82.759, 33.680



54, 98.037, 38.224



75, 68.359, 67.059



50, 5.092, 22.567



40, 83.792, 40.319



10, 32.722, 28.724

Inverse Universe

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



90, 45.160, 200.730



89, 47.465, 201.168



63, 57.271, 275.700



52, 4.789, 201.799



68, 38.633, 201.519



23, 17.862, 200.875

Previews

White Background



This preview shows how the CIELCh color 58, 82.865, 33.685 looks on a white background.

Color Contrast Check

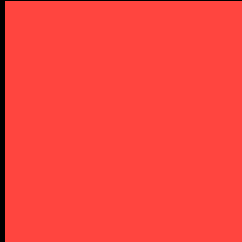
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.865, 33.685 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, 82.865, 33.685

Background



This preview shows how black text looks on a background with the CIELCh color 58, 82.865, 33.685.



This preview shows how white text looks on a background with the CIELCh color 58, 82.865, 33.685.

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, 82.865, 33.685

Protanopia

58, 31.146, 96.636

Deuteranopia

58, 49.014, 81.528



Tritanopia
58, 80.841, 31.050

Trichromacy



Original Color
58, 82.865, 33.685

Protanomaly
55, 41.894, 51.672

Deuteranomaly
56, 56.149, 54.604

Tritanomaly
58, 81.583, 32.064

Monochromacy



Original Color
58, 82.865, 33.685

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 29.885, 25.296

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 82.865, 33.685 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 82.865, 33.685 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, 63) }
```

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

```
.border{ border-color:rgb(255, 69, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 82.865, 33.685 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, 63) }
```

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

```
.background{ background-color: rgb(255, 69,  
63) }
```

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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