

Converting Colors

CIELCh(58, 86.599, 36.731)

Have a look what the booklet for
CIELCh(58, 86.599, 36.731) contains.

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Color

CIELCh(58, 86.008, 36.743)

Conversions

Conversions Part 1

Format	Color
Hex	FF4535
RGB	255, 69, 53
RGB Percent	100%, 27%, 21%
CMY	0.0000, 0.7294, 0.7933
CMYK	0.00, 0.73, 0.79, 0.00
HSL	5°, 100%, 60%
HSV	5°, 79%, 100%
XYZ	44.3753, 25.9610, 6.0063
YIQ	122.7900, 115.9920, 34.4560

Conversions

Conversions Part 2

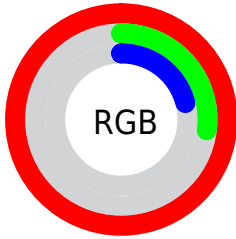
Format	Color
R_{YB}	255, 70, 53
Decimal	16729397
CIE _{Lab}	58.00, 68.92, 51.45
CIE _{LCh}	58, 86.008, 36.743
Yxy	25.9610, 0.5813, 0.3401
Android (android.graphics.Color)	4294919477 (0xFFFF4535)
YUV	122.7900, -34.4065, 115.9482
Hunter-Lab	50.9519, 66.2941, 28.6772

Details

The CIELCh color **58, 86.008, 36.743** 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 **87, 43.748, 208.157**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 58.603, 38.770**, and **39, 82.313, 38.957** is the 20% darker color. If you saturate the color by 10%, you get **55, 96.079, 39.112**, and if you desaturate by 10%, it is **61, 73.715, 34.251**.

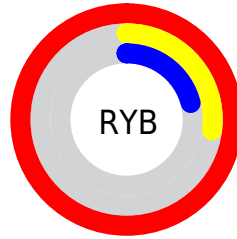
Distribution



Red (100%)

Green (27%)

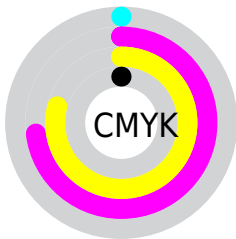
Blue (21%)



Red (100%)

Yellow (27%)

Blue (21%)

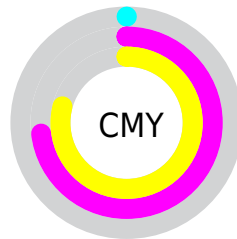


Cyan (0%)

Magenta (73%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (73%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 86.008, 36.743 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, 86.008, 36.743 by changing the saturation by 10% instead.

 58, 86.008, 36.743

 58, 86.008, 36.743

 100, 86.008,
36.743

 48, 86.008, 36.743

 78, 86.008, 36.743

 38, 86.008, 36.743

 88, 86.008, 36.743

 28, 86.008, 36.743

 98, 86.008, 36.743

 18, 86.008, 36.743

 8, 86.008, 36.743


 0, 86.008, 36.743

 58, 86.008, 36.743

 58, 86.008, 36.743

 55, 96.079, 39.112

 61, 73.715, 34.251

 54, 103.081,

 66, 61.494, 32.108

40.552

70, 49.498, 30.408

54, 103.469,
40.659

76, 38.028, 29.115

82, 27.249, 28.155

88, 17.231, 27.451

94, 7.977, 26.916

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, 86.008, 36.743



87, 43.748, 208.157

Rectangle

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



58, 86.008, 36.743



58, 86.008, 86.743



58, 86.008, 216.743



58, 86.008, 266.743

Sweetspot

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



58, 85.621, 36.736



85, 21.817, 27.753



62, 103.348, 330.426



43, 15.210, 28.015



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, 85.621, 36.736



54, 100.529, 40.034



76, 72.005, 70.842



50, 4.866, 26.925



40, 83.078, 40.858



11, 31.819, 31.117

Inverse Universe

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



87, 43.748, 208.157



86, 45.226, 209.962



59, 65.748, 282.165



52, 4.573, 206.520



66, 36.546, 210.389



22, 16.975, 208.538

Previews

White Background



This preview shows how the CIELCh color 58, 86.008, 36.743 looks on a white background.

Color Contrast Check

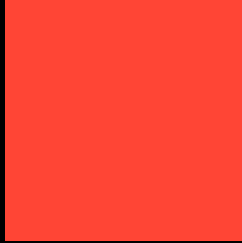
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.008, 36.743 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, 86.008, 36.743

Background



This preview shows how black text looks on a background with the CIELCh color 58, 86.008, 36.743.



This preview shows how white text looks on a background with the CIELCh color 58, 86.008, 36.743.

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, 85.545, 36.657

Protanopia

58, 37.166, 95.237

Deuteranopia

58, 54.577, 82.025



Tritanopia
58, 81.499, 31.000

Trichromacy



Original Color
58, 85.545, 36.657

Protanomaly
56, 46.897, 56.273

Deuteranomaly
56, 60.929, 57.259

Tritanomaly
58, 82.806, 33.172

Monochromacy



Original Color
58, 85.545, 36.657

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 30.563, 29.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 86.008, 36.743 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 86.008, 36.743 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, 53) }
```

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

```
.border{ border-color:rgb(255, 69, 53) }
```

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, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 86.008, 36.743 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, 53) }
```

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

```
.background{ background-color: rgb(255, 69,  
53) }
```

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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