

Converting Colors

CIELCh(56, 88.197, 33.806)

Have a look what the booklet for
CIELCh(56, 88.197, 33.806) contains.

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Color

CIELCh(56, 88.034, 33.948)

Conversions

Conversions Part 1

Format	Color
Hex	FE3535
RGB	254, 53, 53
RGB Percent	100%, 21%, 21%
CMY	0.0034, 0.7915, 0.7918
CMYK	0.00, 0.79, 0.79, 0.00
HSL	0°, 99%, 60%
HSV	0°, 79%, 100%
XYZ	42.8443, 23.9124, 5.7364
YIQ	113.0990, 119.7960, 42.6120

Conversions

Conversions Part 2

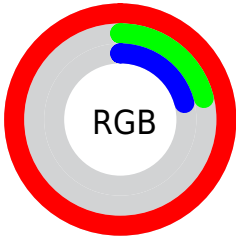
Format	Color
R_{YB}	254, 53, 53
Decimal	16659765
CIE _{Lab}	56.00, 73.03, 49.16
CIE _{LCh}	56, 88.034, 33.948
Yxy	23.9124, 0.5910, 0.3299
Android (android.graphics.Color)	4294849845 (0xFFFE3535)
YUV	113.0990, -29.6288, 123.5702
Hunter-Lab	48.9003, 70.8182, 27.2750

Details

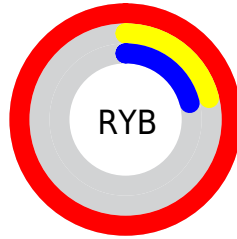
The CIELCh color **56, 88.034, 33.948** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 47.627, 196.568**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 61.572, 34.209**, and **39, 81.538, 38.540** is the 20% darker color. If you saturate the color by 10%, you get **54, 97.745, 37.445**, and if you desaturate by 10%, it is **59, 76.589, 30.439**.

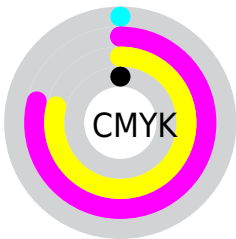
Distribution



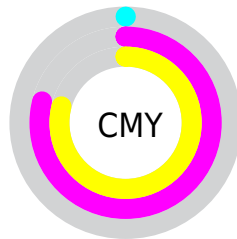
- Red (100%)
- Green (21%)
- Blue (21%)



- Red (100%)
- Yellow (21%)
- Blue (21%)



- Cyan (0%)
- Magenta (79%)
- Yellow (79%)
- Black (0%)



- Cyan (0%)
- Magenta (79%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 88.034, 33.948 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 56, 88.034, 33.948 by changing the saturation by 10% instead.

 56, 88.034, 33.948

 56, 88.034, 33.948

 100, 88.034,
33.948

 46, 88.034, 33.948

 76, 88.034, 33.948

 36, 88.034, 33.948

 86, 88.034, 33.948

 26, 88.034, 33.948

 96, 88.034, 33.948

 16, 88.034, 33.948

 6, 88.034, 33.948

 0, 88.034, 33.948

 56, 88.034, 33.948

 56, 88.034, 33.948

 54, 97.745, 37.445

 59, 76.589, 30.439

 53, 103.835,

 63, 64.479, 27.451

39.818

68, 52.261, 25.081

53, 104.299,
40.003

74, 40.331, 23.257

80, 28.957, 21.864

87, 18.288, 20.794

93, 8.378, 19.941

100, 0.303,
201.573

Harmonies

Complementary

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



56, 88.034, 33.948



91, 47.627, 196.568

Rectangle

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



56, 88.034, 33.948



56, 88.034, 83.948



56, 88.034, 213.948



56, 88.034, 263.948

Sweetspot

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



56, 88.031, 33.950



84, 23.479, 21.284



62, 107.833, 328.010



42, 16.352, 21.681



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 88.031, 33.950



54, 102.068, 39.014



72, 71.708, 64.891



49, 5.252, 19.973



40, 84.224, 40.004



10, 33.360, 27.194

Inverse Universe

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



91, 47.627, 196.568



91, 49.830, 196.456



62, 58.294, 275.567



52, 4.943, 198.995



70, 40.343, 196.443



24, 18.561, 196.436

Previews

White Background



This preview shows how the CIELCh color 56, 88.034, 33.948 looks on a white background.

Color Contrast Check

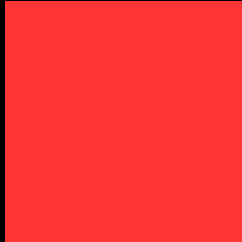
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 88.034, 33.948 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 56, 88.034, 33.948

Background



This preview shows how black text looks on a background with the CIELCh color 56, 88.034, 33.948.



This preview shows how white text looks on a background with the CIELCh color 56, 88.034, 33.948.

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

56, 88.034, 33.948

Protanopia

56, 33.511, 96.021

Deuteranopia

56, 52.699, 82.270



Tritanopia
56, 88.034, 33.948

Trichromacy



Original Color
56, 88.034, 33.948

Protanomaly
53, 45.558, 49.797

Deuteranomaly
54, 60.401, 53.990

Tritanomaly
56, 88.034, 33.948

Monochromacy



Original Color
56, 88.034, 33.948

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 32.608, 23.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 88.034, 33.948 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(254, 53, 53)` looks like.

```
.text, #text, p{  
    color:rgb(254, 53, 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(254, 53, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 53, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 88.034, 33.948 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(254, 53, 53) }
```

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

```
.border{ border-color:rgb(254, 53, 53) }
```

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

Here you see how a box with a 4 pixel rgb(254, 53, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 53, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 53, 53);  
box-shadow:4px 4px 4px 4px rgb(254, 53,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 88.034, 33.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 53, 53) }
```

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

```
.background{ background-color: rgb(254, 53,  
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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