

Converting Colors

CIELCh(56, 88.825, 35.570)

Have a look what the booklet for
CIELCh(56, 88.825, 35.570) contains.

CIELCh(56, 88.658, 35.603)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 88.658, 35.603)

Conversions

Conversions Part 1

Format	Color
Hex	FD3730
RGB	253, 55, 48
RGB Percent	99%, 22%, 19%
CMY	0.0067, 0.7830, 0.8110
CMYK	0.00, 0.78, 0.81, 0.01
HSL	2°, 98%, 59%
HSV	2°, 81%, 99%
XYZ	42.5289, 23.9124, 5.1918
YIQ	113.4040, 120.2550, 39.7990

Conversions

Conversions Part 2

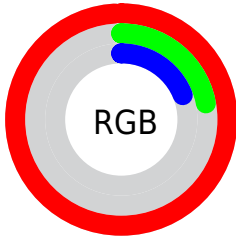
Format	Color
RYB	253, 55, 48
Decimal	16594736
CIELab	56.00, 72.09, 51.61
CIElCh	56, 88.658, 35.603
Yxy	23.9124, 0.5937, 0.3338
Android (android.graphics.Color)	4294784816 (0xFFFD3730)
YUV	113.4040, -32.2442, 122.4257
Hunter-Lab	48.9003, 69.6670, 27.9353

Details

The CIELCh color **56, 88.658, 35.603** 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 **89, 45.923, 201.303**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 62.593, 36.792**, and **39, 82.581, 39.781** is the 20% darker color. If you saturate the color by 10%, you get **54, 98.218, 38.512**, and if you desaturate by 10%, it is **59, 77.188, 32.493**.

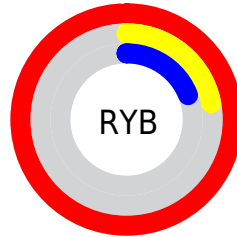
Distribution



Red (99%)

Green (22%)

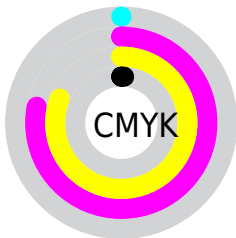
Blue (19%)



Red (99%)

Yellow (22%)

Blue (19%)

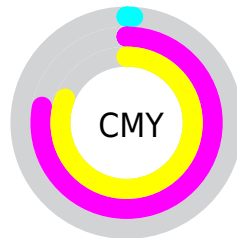


Cyan (0%)

Magenta (78%)

Yellow (81%)

Black (1%)



Cyan (1%)

Magenta (78%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 88.658, 35.603 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, 88.658, 35.603 by changing the saturation by 10% instead.

 56, 88.658, 35.603

 56, 88.658, 35.603

 100, 88.658,
35.603

 46, 88.658, 35.603

 76, 88.658, 35.603

 36, 88.658, 35.603

 86, 88.658, 35.603

 26, 88.658, 35.603

 96, 88.658, 35.603

 16, 88.658, 35.603

 6, 88.658, 35.603


 0, 88.658, 35.603

 56, 88.658, 35.603

 56, 88.658, 35.603

 54, 98.218, 38.512

 59, 77.188, 32.493

 53, 103.624,

 63, 65.083, 29.776

40.246

68, 52.952, 27.597

74, 41.172, 25.917

79, 29.982, 24.642

86, 19.512, 23.676

92, 9.801, 22.926

99, 0.833, 21.660

100, 0.598,
200.476

Harmonies

Complementary

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



56, 88.658, 35.603



89, 45.923, 201.303

Rectangle

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



56, 88.658, 35.603



56, 88.658, 85.603



56, 88.658, 215.603



56, 88.658, 265.603

Sweetspot

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



56, 88.655, 35.605



84, 22.730, 23.942



61, 106.199, 329.227



43, 15.838, 24.283



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, 88.655, 35.605



54, 102.615, 39.677



73, 72.903, 67.525



50, 5.077, 22.827



40, 83.751, 40.350



10, 32.662, 28.873

Inverse Universe

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



89, 45.923, 201.303



89, 47.650, 201.984



60, 63.026, 279.755



52, 4.775, 202.080



68, 38.482, 202.036



23, 17.800, 201.324

Previews

White Background



This preview shows how the CIELCh color 56, 88.658, 35.603 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, 88.658, 35.603 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, 88.658, 35.603

Background



This preview shows how black text looks on a background with the CIELCh color 56, 88.658, 35.603.



This preview shows how white text looks on a background with the CIELCh color 56, 88.658, 35.603.

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, 88.658, 35.603

Protanopia

56, 36.614, 96.423

Deuteranopia

56, 55.138, 82.887



Tritanopia
56, 86.975, 33.473

Trichromacy



Original Color
56, 88.658, 35.603

Protanomaly
53, 47.252, 53.564

Deuteranomaly
54, 62.274, 56.044

Tritanomaly
56, 87.499, 34.058

Monochromacy



Original Color
56, 88.658, 35.603

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 32.468, 26.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 88.658, 35.603 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(253, 55, 48)` looks like.

```
.text, #text, p{  
    color:rgb(253, 55, 48)  
}
```

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(253, 55, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 55, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 88.658, 35.603 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(253, 55, 48) }
```

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

```
.border{ border-color:rgb(253, 55, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 55, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 55, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 55, 48);  
box-shadow:4px 4px 4px 4px rgb(253, 55,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 88.658, 35.603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 55, 48) }
```

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

```
.background{ background-color: rgb(253, 55,  
48) }
```

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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