

Converting Colors

CIELCh(56, 89.838, 35.041)

Have a look what the booklet for
CIELCh(56, 89.838, 35.041) contains.

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Color

CIELCh(56, 89.882, 35.226)

Conversions

Conversions Part 1

Format	Color
Hex	FF3430
RGB	255, 52, 48
RGB Percent	100%, 20%, 19%
CMY	0.0002, 0.7963, 0.8119
CMYK	0.00, 0.80, 0.81, 0.00
HSL	1°, 100%, 59%
HSV	1°, 81%, 100%
XYZ	42.9768, 23.9124, 5.1425
YIQ	112.2410, 122.2720, 41.7920

Conversions

Conversions Part 2

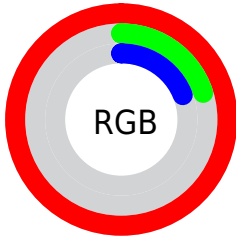
Format	Color
R_{YB}	255, 52, 48
Decimal	16725040
CIE _{Lab}	56.00, 73.42, 51.84
CIE _{LCh}	56, 89.882, 35.226
Yxy	23.9124, 0.5966, 0.3320
Android (android.graphics.Color)	4294915120 (0xFFFF3430)
YUV	112.2410, -31.6708, 125.1996
Hunter-Lab	48.9003, 71.3020, 27.9952

Details

The CIELCh color **56, 89.882, 35.226** 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, 47.044, 199.111**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 63.084, 35.949**, and **39, 83.243, 39.786** is the 20% darker color. If you saturate the color by 10%, you get **54, 99.245, 38.328**, and if you desaturate by 10%, it is **59, 78.492, 31.905**.

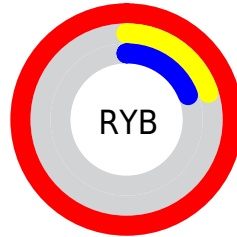
Distribution



Red (100%)

Green (20%)

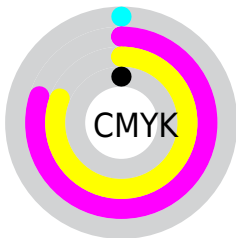
Blue (19%)



Red (100%)

Yellow (20%)

Blue (19%)

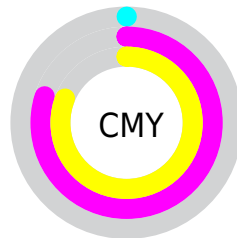


Cyan (0%)

Magenta (80%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 89.882, 35.226 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, 89.882, 35.226 by changing the saturation by 10% instead.

 56, 89.882, 35.226

 56, 89.882, 35.226

 100, 89.882,
35.226

 46, 89.882, 35.226

 76, 89.882, 35.226

 36, 89.882, 35.226

 86, 89.882, 35.226

 26, 89.882, 35.226

 96, 89.882, 35.226

 16, 89.882, 35.226

 6, 89.882, 35.226


 0, 89.882, 35.226

 56, 89.882, 35.226

 56, 89.882, 35.226

 54, 99.245, 38.328

 59, 78.492, 31.905

 53, 104.326,

 63, 66.370, 29.001

40.135

68, 54.137, 26.672

73, 42.194, 24.873

79, 30.808, 23.502

86, 20.128, 22.458

92, 10.209, 21.643

99, 1.042, 20.473

100, 0.022,
231.240

Harmonies

Complementary

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



56, 89.882, 35.226



90, 47.044, 199.111

Rectangle

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



56, 89.882, 35.226



56, 89.882, 85.226



56, 89.882, 215.226



56, 89.882, 265.226

Sweetspot

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



56, 89.879, 35.228



84, 23.061, 22.724



62, 108.124, 328.632



42, 16.065, 23.091



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, 89.879, 35.228



54, 102.834, 39.539



73, 73.552, 65.988



50, 5.154, 21.518



40, 83.963, 40.194



10, 32.969, 28.116

Inverse Universe

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



90, 47.044, 199.111



90, 48.632, 199.422



61, 61.700, 278.209



52, 4.849, 200.665



69, 39.281, 199.445



23, 18.129, 199.067

Previews

White Background



This preview shows how the CIELCh color 56, 89.882, 35.226 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, 89.882, 35.226 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, 89.882, 35.226

Background



This preview shows how black text looks on a background with the CIELCh color 56, 89.882, 35.226.



This preview shows how white text looks on a background with the CIELCh color 56, 89.882, 35.226.

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, 89.882, 35.226

Protanopia

56, 36.614, 96.423

Deuteranopia

56, 55.460, 82.962



Tritanopia
56, 89.248, 34.271

Trichromacy



Original Color
56, 89.882, 35.226

Protanomaly
53, 47.775, 52.595

Deuteranomaly
54, 62.870, 55.302

Tritanomaly
56, 89.512, 34.548

Monochromacy



Original Color
56, 89.882, 35.226

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 33.256, 25.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 89.882, 35.226 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, 52, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 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(255, 52, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 89.882, 35.226 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, 52, 48) }
```

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

```
.border{ border-color:rgb(255, 52, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 52, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 52,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 89.882, 35.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 48) }
```

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

```
.background{ background-color: rgb(255, 52,  
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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