

Converting Colors

CIELCh(56, 88.975, 34.186)

Have a look what the booklet for
CIELCh(56, 88.975, 34.186) contains.

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Color

CIELCh(56, 88.827, 34.127)

Conversions

Conversions Part 1

Format	Color
Hex	FF3434
RGB	255, 52, 52
RGB Percent	100%, 20%, 20%
CMY	0.0007, 0.7968, 0.7965
CMYK	0.00, 0.80, 0.80, 0.00
HSL	360°, 100%, 60%
HSV	360°, 80%, 100%
XYZ	43.0130, 23.9124, 5.5834
YIQ	112.6970, 120.9880, 43.0360

Conversions

Conversions Part 2

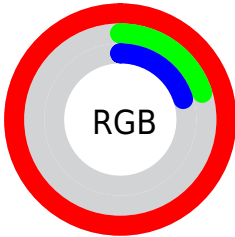
Format	Color
R_{YB}	255, 52, 52
Decimal	16725044
CIE Lab	56.00, 73.53, 49.83
CIE LCh	56, 88.827, 34.127
Yxy	23.9124, 0.5932, 0.3298
Android (android.graphics.Color)	4294915124 (0xFFFF3434)
YUV	112.6970, -29.9236, 124.7997
Hunter-Lab	48.9003, 71.4339, 27.4606

Details

The CIELCh color **56, 88.827, 34.127** 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, 47.875, 196.473**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 62.076, 34.229**, and **39, 82.093, 38.756** is the 20% darker color. If you saturate the color by 10%, you get **54, 98.403, 37.602**, and if you desaturate by 10%, it is **59, 77.425, 30.591**.

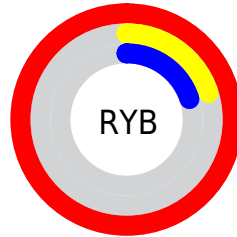
Distribution



Red (100%)

Green (20%)

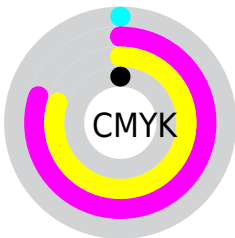
Blue (20%)



Red (100%)

Yellow (20%)

Blue (20%)

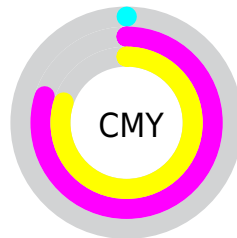


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 88.827, 34.127 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, 88.827, 34.127 by changing the saturation by 10% instead.

 56, 88.827, 34.127

 56, 88.827, 34.127

 100, 88.827,
34.127

 46, 88.827, 34.127

 76, 88.827, 34.127

 36, 88.827, 34.127

 86, 88.827, 34.127

 26, 88.827, 34.127

 96, 88.827, 34.127

 16, 88.827, 34.127

 6, 88.827, 34.127


 0, 88.827, 34.127

 56, 88.827, 34.127

 56, 88.827, 34.127

 54, 98.403, 37.602

 59, 77.425, 30.591

 53, 104.334,

 63, 65.313, 27.562

39.922

68, 53.065, 25.155

53, 104.509,
39.991

74, 41.085, 23.299

80, 29.648, 21.883

87, 18.911, 20.795

93, 8.932, 19.931

100, 0.060,
210.528

Harmonies

Complementary

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



56, 88.827, 34.127



91, 47.875, 196.473

Rectangle

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



56, 88.827, 34.127



56, 88.827, 84.127



56, 88.827, 214.127



56, 88.827, 264.127

Sweetspot

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



56, 88.824, 34.129



84, 23.486, 21.232



62, 108.387, 327.449



42, 16.357, 21.630



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, 88.824, 34.129



53, 102.569, 39.202



72, 72.515, 63.315



49, 5.254, 19.918



40, 84.215, 39.988



10, 33.365, 27.164

Inverse Universe

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



56, 88.824, 34.129



53, 102.569, 39.202



63, 57.150, 273.982



49, 5.254, 19.918



40, 84.215, 39.988



10, 33.365, 27.164

Previews

White Background



This preview shows how the CIELCh color 56, 88.827, 34.127 looks on a white background.

Color Contrast Check

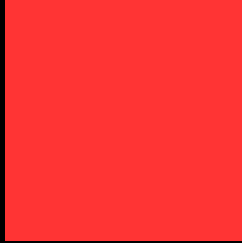
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.827, 34.127 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, 88.827, 34.127

Background



This preview shows how black text looks on a background with the CIELCh color 56, 88.827, 34.127.



This preview shows how white text looks on a background with the CIELCh color 56, 88.827, 34.127.

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, 88.827, 34.127

Protanopia

56, 34.033, 96.098

Deuteranopia

56, 53.427, 82.462



Tritanopia
56, 88.827, 34.127

Trichromacy



Original Color
56, 88.827, 34.127

Protanomaly
53, 45.922, 50.289

Deuteranomaly
54, 61.222, 54.035

Tritanomaly
56, 88.827, 34.127

Monochromacy



Original Color
56, 88.827, 34.127

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 33.055, 23.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 88.827, 34.127 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 52)  
}
```

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, 52) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 56, 88.827, 34.127 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, 52) }
```

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

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

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, 52) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 56, 88.827, 34.127 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, 52) }
```

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

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

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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