

Converting Colors

CIELCh(56, 88.819, 33.817)

Have a look what the booklet for
CIELCh(56, 88.819, 33.817) contains.

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Color

CIELCh(56, 88.724, 33.706)

Conversions

Conversions Part 1

Format	Color
Hex	FF3335
RGB	255, 51, 53
RGB Percent	100%, 20%, 21%
CMY	0.0000, 0.7995, 0.7919
CMYK	0.00, 0.80, 0.79, 0.00
HSL	359°, 100%, 60%
HSV	359°, 80%, 100%
XYZ	43.1067, 23.9124, 5.7194
YIQ	112.2240, 120.9420, 43.8700

Conversions

Conversions Part 2

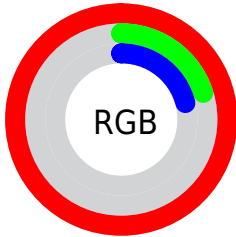
Format	Color
R_{YB}	255, 51, 53
Decimal	16724789
CIE _{Lab}	56.00, 73.81, 49.24
CIE _{LCh}	56, 88.724, 33.706
Yxy	23.9124, 0.5926, 0.3287
Android (android.graphics.Color)	4294914869 (0xFFFF3335)
YUV	112.2240, -29.1974, 125.2146
Hunter-Lab	48.9003, 71.7759, 27.2956

Details

The CIELCh color **56, 88.724, 33.706** 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, 48.218, 195.279**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 62.097, 33.372**, and **39, 81.669, 38.360** is the 20% darker color. If you saturate the color by 10%, you get **54, 98.205, 37.300**, and if you desaturate by 10%, it is **59, 77.420, 30.093**.

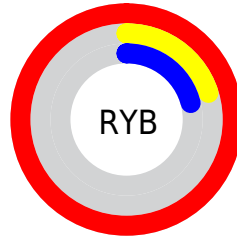
Distribution



Red (100%)

Green (20%)

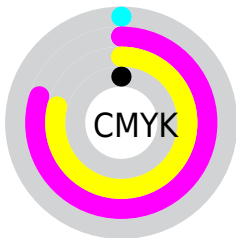
Blue (21%)



Red (100%)

Yellow (20%)

Blue (21%)

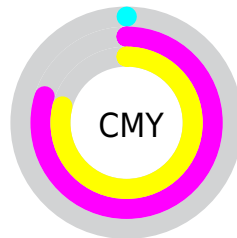


Cyan (0%)

Magenta (80%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 88.724, 33.706 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, 88.724, 33.706 by changing the saturation by 10% instead.

 56, 88.724, 33.706

 56, 88.724, 33.706

 100, 88.724,
33.706

 46, 88.724, 33.706

 76, 88.724, 33.706

 36, 88.724, 33.706

 86, 88.724, 33.706

 26, 88.724, 33.706

 96, 88.724, 33.706

 16, 88.724, 33.706

 6, 88.724, 33.706


 0, 88.724, 33.706

 56, 88.724, 33.706

 56, 88.724, 33.706

 54, 98.205, 37.300

 59, 77.420, 30.093

 53, 104.170,

 63, 65.431, 27.012

39.727

68, 53.272, 24.563

53, 104.195,
39.737

74, 41.345, 22.671

80, 29.933, 21.221

86, 19.199, 20.103

93, 9.208, 19.212

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.



56, 88.724, 33.706



91, 48.218, 195.279

Rectangle

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



56, 88.724, 33.706



56, 88.724, 83.706



56, 88.724, 213.706



56, 88.724, 263.706

Sweetspot

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



56, 88.687, 33.705



84, 23.459, 20.523



62, 108.626, 327.453



42, 16.334, 20.928



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, 88.687, 33.705



54, 102.233, 38.957



72, 72.808, 63.265



49, 5.253, 19.175



40, 83.793, 39.624



10, 33.288, 26.799

Inverse Universe

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



56, 88.687, 33.705



54, 102.233, 38.957



63, 57.373, 274.107



49, 5.253, 19.175



40, 83.793, 39.624



10, 33.288, 26.799

Previews

White Background



This preview shows how the CIELCh color 56, 88.724, 33.706 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, 88.724, 33.706 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, 88.724, 33.706

Background



This preview shows how black text looks on a background with the CIELCh color 56, 88.724, 33.706.



This preview shows how white text looks on a background with the CIELCh color 56, 88.724, 33.706.

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, 88.724, 33.706

Protanopia

56, 32.987, 95.939

Deuteranopia

56, 53.066, 82.367



Tritanopia
56, 89.248, 34.271

Trichromacy



Original Color
56, 88.724, 33.706

Protanomaly
53, 45.558, 49.797

Deuteranomaly
54, 60.884, 53.761

Tritanomaly
56, 88.986, 33.990

Monochromacy



Original Color
56, 88.724, 33.706

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 32.990, 23.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 88.724, 33.706 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, 51, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 88.724, 33.706 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, 51, 53) }
```

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

```
.border{ border-color:rgb(255, 51, 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, 51, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 88.724, 33.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 53) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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