

Converting Colors

CIELCh(56, 88.428, 32.588)

Have a look what the booklet for
CIELCh(56, 88.428, 32.588) contains.

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Color

CIELCh(56, 88.260, 32.563)

Conversions

Conversions Part 1

Format	Color
Hex	FF3238
RGB	255, 50, 56
RGB Percent	100%, 20%, 22%
CMY	0.0000, 0.8051, 0.7788
CMYK	0.00, 0.81, 0.78, 0.00
HSL	358°, 100%, 60%
HSV	358°, 81%, 100%
XYZ	43.3010, 23.9124, 6.1254
YIQ	111.9790, 120.2540, 45.3260

Conversions

Conversions Part 2

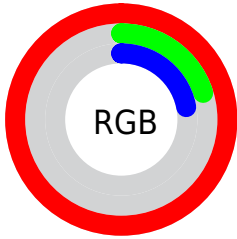
Format	Color
R_{YB}	255, 50, 56
Decimal	16724536
CIE _{Lab}	56.00, 74.39, 47.50
CIE _{LCh}	56, 88.260, 32.563
Yxy	23.9124, 0.5904, 0.3261
Android (android.graphics.Color)	4294914616 (0xFFFF3238)
YUV	111.9790, -27.5976, 125.4294
Hunter-Lab	48.9003, 72.4853, 26.8034

Details

The CIELCh color **56, 88.260, 32.563** 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, 49.071, 192.320**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 61.402, 32.022**, and **39, 81.059, 37.777** is the 20% darker color. If you saturate the color by 10%, you get **54, 97.398, 36.431**, and if you desaturate by 10%, it is **59, 77.126, 28.758**.

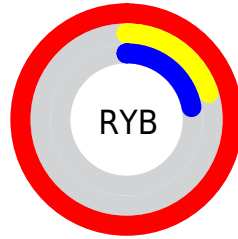
Distribution



Red (100%)

Green (20%)

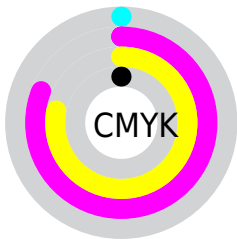
Blue (22%)



Red (100%)

Yellow (20%)

Blue (22%)

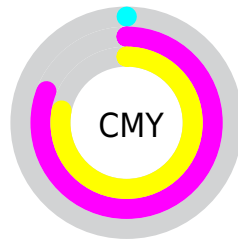


Cyan (0%)

Magenta (81%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (81%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 88.260, 32.563 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, 88.260, 32.563 by changing the saturation by 10% instead.

 56, 88.260, 32.563

 56, 88.260, 32.563

 100, 88.260,
32.563

 46, 88.260, 32.563

 76, 88.260, 32.563

 36, 88.260, 32.563

 86, 88.260, 32.563

 26, 88.260, 32.563

 96, 88.260, 32.563

 16, 88.260, 32.563

 6, 88.260, 32.563


 0, 88.260, 32.563

 56, 88.260, 32.563

 56, 88.260, 32.563

 54, 97.398, 36.431

 59, 77.126, 28.758

 53, 103.318,

 63, 65.459, 25.563

39.114

68, 53.544, 23.025

74, 41.777, 21.056

80, 30.451, 19.535

86, 19.747, 18.349

93, 9.746, 17.396

100, 0.455, 15.287

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, 88.260, 32.563



91, 49.071, 192.320

Rectangle

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



56, 88.260, 32.563



56, 88.260, 82.563



56, 88.260, 212.563



56, 88.260, 262.563

Sweetspot

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



56, 88.048, 32.539



84, 23.409, 18.732



61, 108.957, 326.888



42, 16.289, 19.156



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, 88.048, 32.539



53, 101.820, 38.489



71, 73.529, 61.715



49, 5.254, 17.308



40, 82.806, 38.742



10, 33.100, 25.874

Inverse Universe

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



56, 88.048, 32.539



53, 101.820, 38.489



64, 56.107, 272.436



49, 5.254, 17.308



40, 82.806, 38.742



10, 33.100, 25.874

Previews

White Background



This preview shows how the CIELCh color 56, 88.260, 32.563 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, 88.260, 32.563 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, 88.260, 32.563

Background



This preview shows how black text looks on a background with the CIELCh color 56, 88.260, 32.563.



This preview shows how white text looks on a background with the CIELCh color 56, 88.260, 32.563.

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, 88.104, 32.695

Protanopia

56, 30.380, 95.418

Deuteranopia

56, 50.794, 81.658



Tritanopia
56, 89.512, 34.548

Trichromacy



Original Color
56, 88.104, 32.695

Protanomaly
53, 44.047, 46.427

Deuteranomaly
53, 59.318, 51.779

Tritanomaly
56, 88.986, 33.990

Monochromacy



Original Color
56, 88.104, 32.695

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 33.270, 21.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 88.260, 32.563 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, 50, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 56)  
}
```

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, 50, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 88.260, 32.563 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, 50, 56) }
```

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

```
.border{ border-color:rgb(255, 50, 56) }
```

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

Here you see how a box with a 4 pixel rgb(255, 50, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 88.260, 32.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 56) }
```

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

```
.background{ background-color: rgb(255, 50,  
56) }
```

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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