

Converting Colors

CIELCh(56, 86.063, 30.518)

Have a look what the booklet for
CIELCh(56, 86.063, 30.518) contains.

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Color

CIELCh(56, 86.179, 30.669)

Conversions

Conversions Part 1

Format	Color
Hex	FF333F
RGB	255, 51, 63
RGB Percent	100%, 20%, 25%
CMY	0.0010, 0.8011, 0.7536
CMYK	0.00, 0.80, 0.75, 0.00
HSL	356°, 100%, 60%
HSV	356°, 80%, 100%
XYZ	43.2131, 23.9124, 7.0156
YIQ	113.3640, 117.7320, 46.9800

Conversions

Conversions Part 2

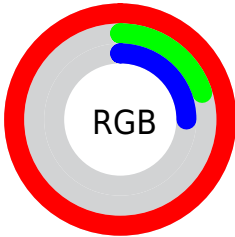
Format	Color
R _Y B	255, 51, 63
Decimal	16724799
CIE Lab	56.00, 74.13, 43.96
CIE LCh	56, 86.179, 30.669
Yxy	23.9124, 0.5828, 0.3225
Android (android.graphics.Color)	4294914879 (0xFFFF333F)
YUV	113.3640, -24.8295, 124.2148
Hunter-Lab	48.9003, 72.1644, 25.7240

Details

The CIELCh color **56, 86.179, 30.669** 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, 49.929, 189.048**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 59.639, 29.146**, and **39, 79.215, 35.890** is the 20% darker color. If you saturate the color by 10%, you get **54, 95.449, 34.885**, and if you desaturate by 10%, it is **59, 75.580, 26.773**.

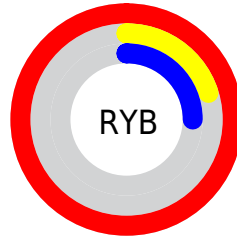
Distribution



Red (100%)

Green (20%)

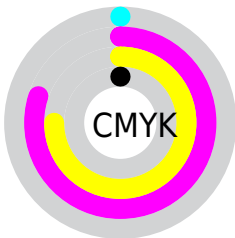
Blue (25%)



Red (100%)

Yellow (20%)

Blue (25%)

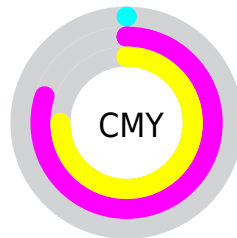


Cyan (0%)

Magenta (80%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 86.179, 30.669 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, 86.179, 30.669 by changing the saturation by 10% instead.

 56, 86.179, 30.669

 56, 86.179, 30.669

 100, 86.179,
30.669

 46, 86.179, 30.669

 76, 86.179, 30.669

 36, 86.179, 30.669

 86, 86.179, 30.669

 26, 86.179, 30.669

 96, 86.179, 30.669

 16, 86.179, 30.669

 6, 86.179, 30.669


 0, 86.179, 30.669

 56, 86.179, 30.669

 56, 86.179, 30.669

 54, 95.449, 34.885

 59, 75.580, 26.773

 53, 102.192,

 63, 64.249, 23.536

38.340

68, 52.614, 20.974

74, 41.062, 18.980

80, 29.892, 17.426

86, 19.292, 16.201

93, 9.350, 15.200

100, 0.083, 6.569

100, 0.085,
207.193

Harmonies

Complementary

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



56, 86.179, 30.669



91, 49.929, 189.048

Rectangle

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



56, 86.179, 30.669



56, 86.179, 80.669



56, 86.179, 210.669



56, 86.179, 260.669

Sweetspot

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



56, 86.176, 30.671



84, 23.381, 16.648



60, 108.601, 325.746



42, 16.257, 17.090



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, 86.176, 30.671



54, 99.908, 37.161



69, 73.673, 58.933



50, 5.262, 15.146



40, 81.763, 37.763



10, 32.893, 24.789

Inverse Universe

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



56, 86.176, 30.671



54, 99.908, 37.161



66, 52.747, 268.125



50, 5.262, 15.146



40, 81.763, 37.763



10, 32.893, 24.789

Previews

White Background



This preview shows how the CIELCh color 56, 86.179, 30.669 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 CIE LCh color 56, 86.179, 30.669 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, 86.179, 30.669

Background



This preview shows how black text looks on a background with the CIELCh color 56, 86.179, 30.669.



This preview shows how white text looks on a background with the CIELCh color 56, 86.179, 30.669.

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, 86.179, 30.669

Protanopia

56, 25.986, 95.242

Deuteranopia

56, 47.670, 81.297



Tritanopia
56, 88.197, 33.806

Trichromacy



Original Color
56, 86.179, 30.669

Protanomaly
53, 41.551, 43.067

Deuteranomaly
54, 56.716, 49.951

Tritanomaly
56, 87.158, 32.626

Monochromacy



Original Color
56, 86.179, 30.669

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 33.029, 19.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 86.179, 30.669 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 86.179, 30.669 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, 63) }
```

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

```
.border{ border-color:rgb(255, 51, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 86.179, 30.669 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, 63) }
```

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

```
.background{ background-color: rgb(255, 51,  
63) }
```

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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