

Converting Colors

CIELCh(56, 86.504, 31.395)

Have a look what the booklet for
CIELCh(56, 86.504, 31.395) contains.

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Color

CIELCh(56, 86.674, 31.304)

Conversions

Conversions Part 1

Format	Color
Hex	FF333D
RGB	255, 51, 61
RGB Percent	100%, 20%, 24%
CMY	0.0007, 0.8007, 0.7613
CMYK	0.00, 0.80, 0.76, 0.00
HSL	357°, 100%, 60%
HSV	357°, 80%, 100%
XYZ	43.1899, 23.9124, 6.7370
YIQ	113.1360, 118.3740, 46.3580

Conversions

Conversions Part 2

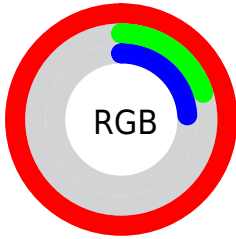
Format	Color
R _Y B	255, 51, 61
Decimal	16724797
CIE Lab	56.00, 74.06, 45.03
CIE LCh	56, 86.674, 31.304
Yxy	23.9124, 0.5849, 0.3238
Android (android.graphics.Color)	4294914877 (0xFFFF333D)
YUV	113.1360, -25.7030, 124.4147
Hunter-Lab	48.9003, 72.0797, 26.0619

Details

The CIELCh color **56, 86.674, 31.304** 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, 49.549, 190.264**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 60.042, 30.106**, and **39, 79.708, 36.413** is the 20% darker color. If you saturate the color by 10%, you get **54, 96.026, 35.413**, and if you desaturate by 10%, it is **59, 75.931, 27.457**.

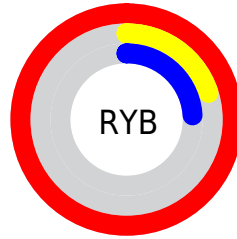
Distribution



Red (100%)

Green (20%)

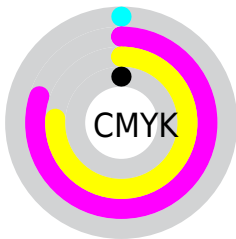
Blue (24%)



Red (100%)

Yellow (20%)

Blue (24%)

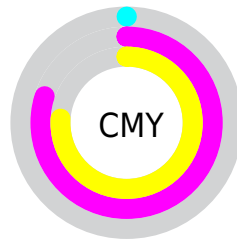


Cyan (0%)

Magenta (80%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 86.674, 31.304 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, 86.674, 31.304 by changing the saturation by 10% instead.

 56, 86.674, 31.304

 56, 86.674, 31.304

 100, 86.674,
31.304

 46, 86.674, 31.304

 76, 86.674, 31.304

 36, 86.674, 31.304

 86, 86.674, 31.304

 26, 86.674, 31.304

 96, 86.674, 31.304

 16, 86.674, 31.304

 6, 86.674, 31.304


 0, 86.674, 31.304

 56, 86.674, 31.304

 56, 86.674, 31.304

 54, 96.026, 35.413

 59, 75.931, 27.457

 53, 102.636,

 63, 64.467, 24.246

38.655

68, 52.729, 21.702

74, 41.105, 19.725

80, 29.890, 18.190

86, 19.266, 16.984

93, 9.317, 16.003

100, 0.056, 3.612

100, 0.061,
210.394

Harmonies

Complementary

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



56, 86.674, 31.304



91, 49.549, 190.264

Rectangle

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



56, 86.674, 31.304



56, 86.674, 81.304



56, 86.674, 211.304



56, 86.674, 261.304

Sweetspot

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



56, 86.671, 31.306



84, 23.388, 17.427



61, 108.605, 326.313



42, 16.266, 17.862



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, 86.671, 31.306



54, 100.434, 37.582



70, 73.349, 60.353



49, 5.258, 15.952



40, 82.146, 38.129



10, 32.969, 25.196

Inverse Universe

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



56, 86.671, 31.306



54, 100.434, 37.582



65, 54.233, 270.223



49, 5.258, 15.952



40, 82.146, 38.129



10, 32.969, 25.196

Previews

White Background



This preview shows how the CIELCh color 56, 86.674, 31.304 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, 86.674, 31.304 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, 86.674, 31.304

Background



This preview shows how black text looks on a background with the CIELCh color 56, 86.674, 31.304.



This preview shows how white text looks on a background with the CIELCh color 56, 86.674, 31.304.

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, 86.674, 31.304

Protanopia

56, 27.484, 96.625

Deuteranopia

56, 48.521, 81.580



Tritanopia
56, 88.827, 34.127

Trichromacy



Original Color
56, 86.674, 31.304

Protanomaly
53, 41.869, 43.689

Deuteranomaly
54, 57.417, 50.657

Tritanomaly
56, 88.043, 33.264

Monochromacy



Original Color
56, 86.674, 31.304

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 33.114, 20.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 86.674, 31.304 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 86.674, 31.304 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, 61) }
```

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

```
.border{ border-color:rgb(255, 51, 61) }
```

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, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 86.674, 31.304 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, 61) }
```

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

```
.background{ background-color: rgb(255, 51,  
61) }
```

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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