

Converting Colors

CIELCh(56, 85.769, 30.293)

Have a look what the booklet for
CIELCh(56, 85.769, 30.293) contains.

CIELCh(56, 85.934, 30.347)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 85.934, 30.347)

Conversions

Conversions Part 1

Format	Color
Hex	FF3340
RGB	255, 51, 64
RGB Percent	100%, 20%, 25%
CMY	0.0011, 0.8013, 0.7498
CMYK	0.00, 0.80, 0.75, 0.00
HSL	356°, 100%, 60%
HSV	356°, 80%, 100%
XYZ	43.2247, 23.9124, 7.1586
YIQ	113.4780, 117.4110, 47.2910

Conversions

Conversions Part 2

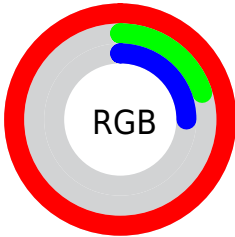
Format	Color
RYB	255, 51, 64
Decimal	16724800
CIELab	56.00, 74.16, 43.42
CIElCh	56, 85.934, 30.347
Yxy	23.9124, 0.5818, 0.3219
Android (android.graphics.Color)	4294914880 (0xFFFF3340)
YUV	113.4780, -24.3927, 124.1148
Hunter-Lab	48.9003, 72.2068, 25.5506

Details

The CIELCh color **56, 85.934, 30.347** 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, 50.125, 188.448**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 59.445, 28.660**, and **39, 78.963, 35.616** is the 20% darker color. If you saturate the color by 10%, you get **54, 95.158, 34.613**, and if you desaturate by 10%, it is **59, 75.408, 26.428**.

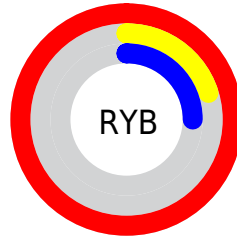
Distribution



Red (100%)

Green (20%)

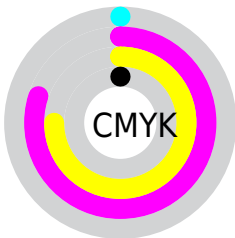
Blue (25%)



Red (100%)

Yellow (20%)

Blue (25%)

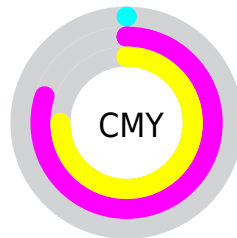


Cyan (0%)

Magenta (80%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 85.934, 30.347 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, 85.934, 30.347 by changing the saturation by 10% instead.

 56, 85.934, 30.347

 56, 85.934, 30.347

 100, 85.934,
30.347

 46, 85.934, 30.347

 76, 85.934, 30.347

 36, 85.934, 30.347

 86, 85.934, 30.347

 26, 85.934, 30.347

 96, 85.934, 30.347

 16, 85.934, 30.347

 6, 85.934, 30.347


 0, 85.934, 30.347

 56, 85.934, 30.347

 56, 85.934, 30.347

 54, 95.158, 34.613

 59, 75.408, 26.428

 53, 101.956,

 63, 64.143, 23.179

38.169

68, 52.559, 20.609

74, 41.043, 18.606

80, 29.895, 17.044

86, 19.306, 15.810

93, 9.366, 14.800

100, 0.095, 7.236

100, 0.098,
206.151

Harmonies

Complementary

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



56, 85.934, 30.347



91, 50.125, 188.448

Rectangle

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



56, 85.934, 30.347



56, 85.934, 80.347



56, 85.934, 210.347



56, 85.934, 260.347

Sweetspot

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



56, 85.931, 30.349



84, 23.380, 16.259



60, 108.598, 325.746



42, 16.254, 16.704



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, 85.931, 30.349



54, 99.637, 36.940



69, 73.678, 58.931



50, 5.264, 14.744



40, 81.563, 37.569



10, 32.856, 24.586

Inverse Universe

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



56, 85.931, 30.349



54, 99.637, 36.940



66, 52.748, 268.132



50, 5.264, 14.744



40, 81.563, 37.569



10, 32.856, 24.586

Previews

White Background



This preview shows how the CIELCh color 56, 85.934, 30.347 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, 85.934, 30.347 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, 85.934, 30.347

Background



This preview shows how black text looks on a background with the CIELCh color 56, 85.934, 30.347.



This preview shows how white text looks on a background with the CIELCh color 56, 85.934, 30.347.

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, 85.934, 30.347

Protanopia

56, 25.445, 95.078

Deuteranopia

56, 47.238, 81.149



Tritanopia
56, 88.034, 33.948

Trichromacy



Original Color
56, 85.934, 30.347

Protanomaly
53, 41.238, 42.434

Deuteranomaly
54, 56.366, 49.587

Tritanomaly
56, 87.158, 32.626

Monochromacy



Original Color
56, 85.934, 30.347

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, 85.934, 30.347 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 85.934, 30.347 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, 64) }
```

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

```
.border{ border-color:rgb(255, 51, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 85.934, 30.347 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, 64) }
```

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

```
.background{ background-color: rgb(255, 51,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor