

Converting Colors

CIELCh(56, 91.576, 37.060)

Have a look what the booklet for
CIELCh(56, 91.576, 37.060) contains.

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Color

CIELCh(56, 91.569, 37.134)

Conversions

Conversions Part 1

Format	Color
Hex	FF3529
RGB	255, 53, 41
RGB Percent	100%, 21%, 16%
CMY	0.0007, 0.7929, 0.8397
CMYK	0.00, 0.79, 0.84, 0.00
HSL	3°, 100%, 58%
HSV	3°, 84%, 100%
XYZ	42.8352, 23.9124, 4.4439
YIQ	112.0300, 124.2440, 39.0920

Conversions

Conversions Part 2

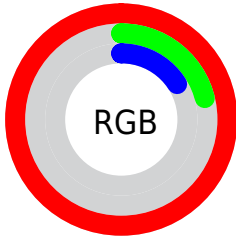
Format	Color
R_{YB}	255, 54, 41
Decimal	16725289
CIE _{Lab}	56.00, 73.00, 55.28
CIE _{LCh}	56, 91.569, 37.134
Yxy	23.9124, 0.6017, 0.3359
Android (android.graphics.Color)	4294915369 (0xFFFF3529)
YUV	112.0300, -35.0178, 125.3847
Hunter-Lab	48.9003, 70.7852, 28.8422

Details

The CIELCh color **56, 91.569, 37.134** 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 **88, 45.515, 204.625**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 64.469, 38.810**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 100.390, 39.475**, and if you desaturate by 10%, it is **59, 80.280, 34.278**.

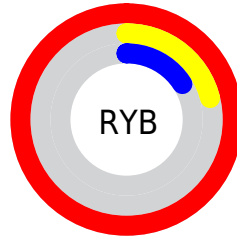
Distribution



Red (100%)

Green (21%)

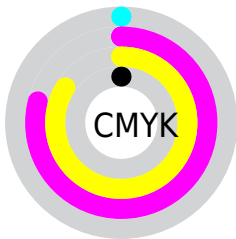
Blue (16%)



Red (100%)

Yellow (21%)

Blue (16%)

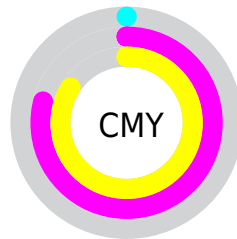


Cyan (0%)

Magenta (79%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (79%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 91.569, 37.134 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, 91.569, 37.134 by changing the saturation by 10% instead.

 56, 91.569, 37.134

 56, 91.569, 37.134

 100, 91.569,
37.134

 46, 91.569, 37.134

 76, 91.569, 37.134

 36, 91.569, 37.134

 86, 91.569, 37.134

 26, 91.569, 37.134

 96, 91.569, 37.134


 16, 91.569, 37.134

 6, 91.569, 37.134

 0, 91.569, 37.134

 56, 91.569, 37.134

 56, 91.569, 37.134

 54, 100.390,
39.475

 59, 80.280, 34.278

 63, 68.165, 31.660

■ 54, 103.831,
40.406

■ 67, 55.966, 29.518

■ 73, 44.099, 27.855

■ 78, 32.813, 26.596

■ 85, 22.244, 25.653

■ 91, 12.440, 24.941

■ 97, 3.388, 24.293

100, 0.063,
209.991

Harmonies

Complementary

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



56, 91.569, 37.134



88, 45.515, 204.625

Rectangle

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



56, 91.569, 37.134



56, 91.569, 87.134



56, 91.569, 217.134



56, 91.569, 267.134

Sweetspot

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



56, 91.566, 37.136



84, 23.321, 25.739



61, 106.990, 329.941



42, 16.138, 26.049



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, 91.566, 37.136



54, 103.888, 40.406



74, 75.503, 68.398



50, 4.977, 24.670



40, 83.466, 40.563



10, 32.263, 29.904

Inverse Universe

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



88, 45.515, 204.625



87, 46.515, 205.930



58, 67.674, 282.598



52, 4.679, 204.076



67, 37.506, 205.753



22, 17.391, 204.545

Previews

White Background



This preview shows how the CIELCh color 56, 91.569, 37.134 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, 91.569, 37.134 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, 91.569, 37.134

Background



This preview shows how black text looks on a background with the CIELCh color 56, 91.569, 37.134.



This preview shows how white text looks on a background with the CIELCh color 56, 91.569, 37.134.

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, 91.569, 37.134

Protanopia

56, 41.193, 96.167

Deuteranopia

56, 59.930, 83.442



Tritanopia
56, 89.090, 34.408

Trichromacy



Original Color
56, 91.569, 37.134

Protanomaly
53, 50.810, 55.793

Deuteranomaly
54, 67.146, 58.262

Tritanomaly
56, 90.146, 35.491

Monochromacy



Original Color
56, 91.569, 37.134

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 33.734, 27.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 91.569, 37.134 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, 53, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 41)  
}
```

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, 53, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 91.569, 37.134 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, 53, 41) }
```

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

```
.border{ border-color:rgb(255, 53, 41) }
```

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

Here you see how a box with a 4 pixel rgb(255, 53, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 91.569, 37.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 41) }
```

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

```
.background{ background-color: rgb(255, 53,  
41) }
```

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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