

Converting Colors

CIELCh(56, 84.671, 28.577)

Have a look what the booklet for
CIELCh(56, 84.671, 28.577) contains.

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Color

CIELCh(56, 84.916, 28.554)

Conversions

Conversions Part 1

Format	Color
Hex	FF3245
RGB	255, 50, 69
RGB Percent	100%, 20%, 27%
CMY	0.0008, 0.8048, 0.7299
CMYK	0.00, 0.80, 0.73, 0.00
HSL	354°, 100%, 60%
HSV	354°, 80%, 100%
XYZ	43.3692, 23.9124, 7.9377
YIQ	113.4610, 116.0810, 49.3690

Conversions

Conversions Part 2

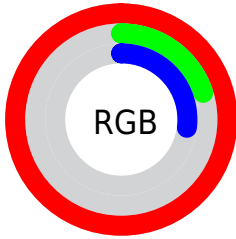
Format	Color
R _Y B	255, 50, 69
Decimal	16724549
CIE _{Lab}	56.00, 74.59, 40.59
CIE _{LCh}	56, 84.916, 28.554
Y _{xy}	23.9124, 0.5766, 0.3179
Android (android.graphics.Color)	4294914629 (0xFFFF3245)
YUV	113.4610, -21.9193, 124.1297
Hunter-Lab	48.9003, 72.7342, 24.6060

Details

The CIELCh color **56, 84.916, 28.554** 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, 51.462, 185.051**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 58.700, 25.259**, and **39, 77.659, 34.131** is the 20% darker color. If you saturate the color by 10%, you get **54, 93.783, 33.080**, and if you desaturate by 10%, it is **59, 74.840, 24.506**.

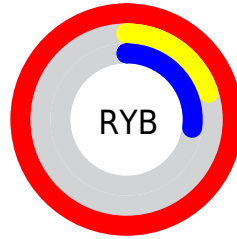
Distribution



Red (100%)

Green (20%)

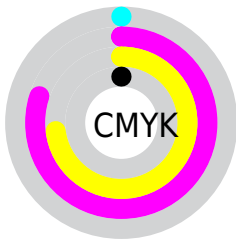
Blue (27%)



Red (100%)

Yellow (20%)

Blue (27%)

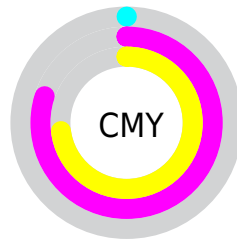


Cyan (0%)

Magenta (80%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 84.916, 28.554 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, 84.916, 28.554 by changing the saturation by 10% instead.

 56, 84.916, 28.554

 56, 84.916, 28.554

 100, 84.916,
28.554

 46, 84.916, 28.554

 76, 84.916, 28.554

 36, 84.916, 28.554

 86, 84.916, 28.554

 26, 84.916, 28.554

 96, 84.916, 28.554

 16, 84.916, 28.554

 6, 84.916, 28.554

 0, 84.916, 28.554

 56, 84.916, 28.554

 56, 84.916, 28.554

 54, 93.783, 33.080

 59, 74.840, 24.506

 53, 100.524,

 63, 63.959, 21.180

37.026

68, 52.655, 18.552

74, 41.319, 16.497

80, 30.267, 14.882

86, 19.707, 13.594

93, 9.747, 12.531

100, 0.419, 10.213

100, 0.067,
209.273

Harmonies

Complementary

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



56, 84.916, 28.554



91, 51.462, 185.051

Rectangle

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



56, 84.916, 28.554



56, 84.916, 78.554



56, 84.916, 208.554



56, 84.916, 258.554

Sweetspot

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



56, 84.912, 28.556



84, 23.393, 14.019



59, 108.904, 324.618



42, 16.250, 14.480



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, 84.912, 28.556



54, 98.655, 35.937



68, 74.812, 56.130



50, 5.283, 12.436



40, 80.304, 36.299



10, 32.649, 23.403

Inverse Universe

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



56, 84.912, 28.556



54, 98.655, 35.937



68, 50.179, 263.776



50, 5.283, 12.436



40, 80.304, 36.299



10, 32.649, 23.403

Previews

White Background



This preview shows how the CIELCh color 56, 84.916, 28.554 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, 84.916, 28.554 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, 84.916, 28.554

Background



This preview shows how black text looks on a background with the CIELCh color 56, 84.916, 28.554.



This preview shows how white text looks on a background with the CIELCh color 56, 84.916, 28.554.

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, 84.916, 28.554

Protanopia

56, 21.529, 94.727

Deuteranopia

56, 44.354, 80.683



Tritanopia
56, 88.034, 33.948

Trichromacy



Original Color
56, 84.916, 28.554

Protanomaly
53, 39.022, 36.975

Deuteranomaly
54, 53.862, 47.405

Tritanomaly
56, 86.647, 32.015

Monochromacy



Original Color
56, 84.916, 28.554

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 32.893, 17.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 84.916, 28.554 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 84.916, 28.554 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, 69) }
```

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

```
.border{ border-color:rgb(255, 50, 69) }
```

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, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 84.916, 28.554 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, 69) }
```

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

```
.background{ background-color: rgb(255, 50,  
69) }
```

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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