

Converting Colors

CIELCh(56, 83.758, 27.167)

Have a look what the booklet for
CIELCh(56, 83.758, 27.167) contains.

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Color

CIELCh(56, 83.659, 27.095)

Conversions

Conversions Part 1

Format	Color
Hex	FE3249
RGB	254, 50, 73
RGB Percent	100%, 20%, 29%
CMY	0.0029, 0.8026, 0.7130
CMYK	0.00, 0.80, 0.71, 0.00
HSL	353°, 99%, 60%
HSV	353°, 80%, 100%
XYZ	43.3321, 23.9124, 8.6672
YIQ	113.6180, 114.2010, 50.4010

Conversions

Conversions Part 2

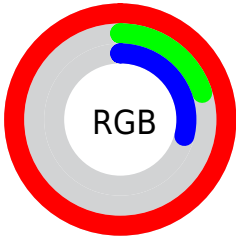
Format	Color
R_{YB}	254, 50, 73
Decimal	16659017
CIE _{Lab}	56.00, 74.48, 38.10
CIE _{LCh}	56, 83.659, 27.095
Yxy	23.9124, 0.5708, 0.3150
Android (android.graphics.Color)	4294849097 (0xFFFE3249)
YUV	113.6180, -20.0247, 123.1150
Hunter-Lab	48.9003, 72.5988, 23.7215

Details

The CIELCh color **56, 83.659, 27.095** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **91, 52.200, 182.945**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 58.109, 23.204**, and **39, 76.588, 32.812** is the 20% darker color. If you saturate the color by 10%, you get **54, 92.302, 31.749**, and if you desaturate by 10%, it is **59, 73.857, 23.015**.

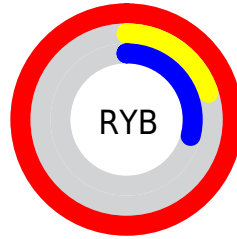
Distribution



Red (100%)

Green (20%)

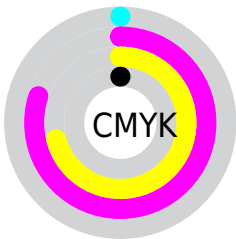
Blue (29%)



Red (100%)

Yellow (20%)

Blue (29%)

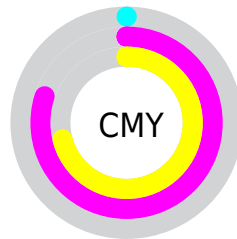


Cyan (0%)

Magenta (80%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 83.659, 27.095 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, 83.659, 27.095 by changing the saturation by 10% instead.

 56, 83.659, 27.095

 56, 83.659, 27.095

 100, 83.659,
27.095

 46, 83.659, 27.095

 76, 83.659, 27.095

 36, 83.659, 27.095

 86, 83.659, 27.095

 26, 83.659, 27.095

 96, 83.659, 27.095

 16, 83.659, 27.095

 6, 83.659, 27.095

 0, 83.659, 27.095

 56, 83.659, 27.095

 56, 83.659, 27.095

 54, 92.302, 31.749

 59, 73.857, 23.015

 53, 99.268, 36.117

 63, 63.214, 19.688

■ 68, 52.098, 17.064

■ 74, 40.900, 15.006

■ 80, 29.944, 13.382

■ 86, 19.443, 12.078

■ 93, 9.511, 10.994

■ 100, 0.186, 6.758

100, 0.256,
201.976

Harmonies

Complementary

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



56, 83.659, 27.095



91, 52.200, 182.945

Rectangle

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



56, 83.659, 27.095



56, 83.659, 77.095



56, 83.659, 207.095



56, 83.659, 257.095

Sweetspot

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



56, 83.655, 27.097



84, 23.423, 12.542



58, 108.584, 324.059



42, 16.262, 13.012



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, 83.655, 27.097



54, 96.827, 34.472



67, 74.868, 54.827



50, 5.301, 10.923



40, 79.394, 35.323



10, 32.520, 22.614

Inverse Universe

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



56, 83.655, 27.097



54, 96.827, 34.472



69, 48.704, 261.241



50, 5.301, 10.923



40, 79.394, 35.323



10, 32.520, 22.614

Previews

White Background



This preview shows how the CIELCh color 56, 83.659, 27.095 looks on a white background.

Color Contrast Check

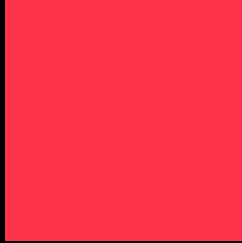
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.659, 27.095 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, 83.659, 27.095

Background



This preview shows how black text looks on a background with the CIELCh color 56, 83.659, 27.095.



This preview shows how white text looks on a background with the CIELCh color 56, 83.659, 27.095.

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, 83.659, 27.095

Protanopia

56, 18.684, 94.604

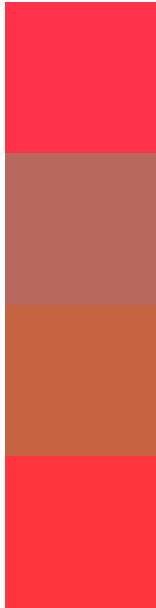
Deuteranopia

56, 41.822, 80.265



Tritanopia
56, 87.607, 33.804

Trichromacy



Original Color
56, 83.659, 27.095

Protanomaly
53, 37.074, 34.090

Deuteranomaly
53, 52.075, 45.827

Tritanomaly
56, 85.975, 31.535

Monochromacy



Original Color
56, 83.659, 27.095

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 32.359, 15.952

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 83.659, 27.095 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(254, 50, 73)` looks like.

```
.text, #text, p{  
    color:rgb(254, 50, 73)  
}
```

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(254, 50, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 50, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 83.659, 27.095 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(254, 50, 73) }
```

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

```
.border{ border-color:rgb(254, 50, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 50, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 50, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 50, 73);  
box-shadow:4px 4px 4px 4px rgb(254, 50,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 83.659, 27.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 50, 73) }
```

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

```
.background{ background-color: rgb(254, 50,  
73) }
```

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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