

Converting Colors

CIELCh(56, 83.159, 359.808)

Have a look what the booklet for
CIELCh(56, 83.159, 359.808)
contains.

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Color

CIELCh(56, 83.119, 359.716)

Conversions

Conversions Part 1

Format	Color
Hex	FF1B8A
RGB	255, 27, 138
RGB Percent	100%, 11%, 54%
CMY	0.0000, 0.8957, 0.4580
CMYK	0.00, 0.90, 0.46, 0.00
HSL	331°, 100%, 55%
HSV	331°, 90%, 100%
XYZ	46.3169, 23.9124, 26.2967
YIQ	107.8260, 100.2570, 82.8570

Conversions

Conversions Part 2

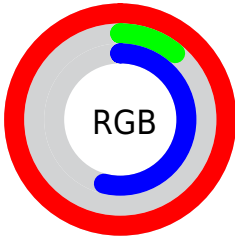
Format	Color
R_{YB}	255, 27, 138
Decimal	16718730
CIE _{Lab}	56.00, 83.12, -0.41
CIE _{LCh}	56, 83.119, 359.716
Yxy	23.9124, 0.4798, 0.2477
Android (android.graphics.Color)	4294908810 (0xFFFF1B8A)
YUV	107.8260, 14.8758, 129.0716
Hunter-Lab	48.9003, 83.4942, 2.3464

Details

The CIELCh color **56, 83.119, 359.716** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **89, 83.378, 151.621**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 66.678, 346.236**, and **41, 68.199, 6.141** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.471, 3.865**, and if you desaturate by 10%, it is **58, 79.569, 356.265**.

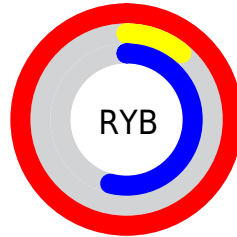
Distribution



Red (100%)

Green (11%)

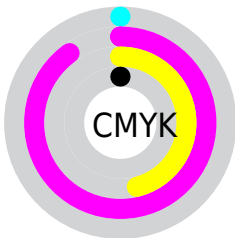
Blue (54%)



Red (100%)

Yellow (11%)

Blue (54%)

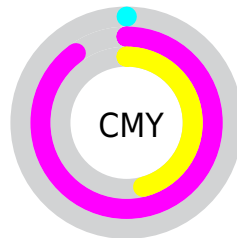


Cyan (0%)

Magenta (90%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 83.119, 359.716 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, 83.119, 359.716 by changing the saturation by 10% instead.


 56, 83.119,
359.716


 56, 83.119,
359.716


 100, 83.119,
359.716


 46, 83.119,
359.716


 76, 83.119,
359.716

 36, 83.119,
359.716

 86, 83.119,
359.716

 26, 83.119,
359.716

 96, 83.119,
359.716

 16, 83.119,
359.716

 6, 83.119, 359.716

 0, 83.119, 359.716

■ 56, 83.119,
359.716

■ 56, 83.119,
359.716

■ 55, 84.471, 3.865

■ 58, 79.569,
356.265

■ 55, 84.523, 4.052

■ 61, 73.613,
353.589

■ 65, 65.471,
351.464

■ 70, 55.696,
349.741

■ 75, 44.883,
348.307

■ 81, 33.542,
347.081

■ 87, 22.053,
346.007

■ 94, 10.667,

345.038

100, 0.012,
296.813

Harmonies

Complementary

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



56, 83.119, 359.716



89, 83.378, 151.621

Rectangle

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



56, 83.119, 359.716



56, 83.119, 49.716



56, 83.119, 179.716



56, 83.119, 229.716

Sweetspot

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



56, 83.059, 359.665



83, 30.588, 346.792



44, 119.920, 312.336



42, 20.641, 347.178



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, 83.059, 359.665



55, 84.523, 4.052



54, 98.398, 37.589



50, 6.335, 345.031



41, 68.141, 3.198



10, 31.766, 357.422

Inverse Universe

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



56, 83.059, 359.665



55, 84.523, 4.052



91, 49.413, 196.426



50, 6.335, 345.031



41, 68.141, 3.198



10, 31.766, 357.422

Previews

White Background



This preview shows how the CIELCh color 56, 83.119, 359.716 looks on a white background.

Color Contrast Check

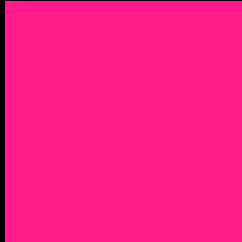
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.119, 359.716 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, 83.119, 359.716

Background



This preview shows how black text looks on a background with the CIELCh color 56, 83.119, 359.716.



This preview shows how white text looks on a background with the CIELCh color 56, 83.119, 359.716.

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, 82.988, 359.761

Protanopia

56, 36.225, 285.075

Deuteranopia

56, 8.236, 28.120



Tritanopia
56, 84.052, 32.656

Trichromacy



Original Color
56, 82.988, 359.761



Protanomaly
51, 52.224, 323.128



Deuteranomaly
52, 43.302, 354.530



Tritanomaly
56, 80.660, 20.906

Monochromacy



Original Color
56, 82.988, 359.761



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 39.931, 349.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 83.119, 359.716 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, 27, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 27, 138)  
}
```

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, 27, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 83.119, 359.716 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, 27, 138) }
```

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

```
.border{ border-color:rgb(255, 27, 138) }
```

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

Here you see how a box with a 4 pixel rgb(255, 27, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 27,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 83.119, 359.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 138) }
```

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

```
.background{ background-color: rgb(255, 27,  
138) }
```

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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