

Converting Colors

CIELCh(56, 83.693, 357.827)

Have a look what the booklet for
CIELCh(56, 83.693, 357.827)
contains.

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Color

CIELCh(56, 83.714, 357.787)

Conversions

Conversions Part 1

Format	Color
Hex	FF198F
RGB	255, 25, 143
RGB Percent	100%, 10%, 56%
CMY	0.0003, 0.9026, 0.4395
CMYK	0.00, 0.90, 0.44, 0.00
HSL	329°, 100%, 55%
HSV	329°, 90%, 100%
XYZ	46.5056, 23.9124, 28.1240
YIQ	107.2220, 99.2020, 85.4580

Conversions

Conversions Part 2

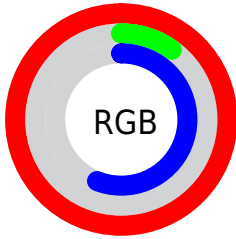
Format	Color
R _Y B	255, 25, 143
Decimal	16718223
CIE Lab	56.00, 83.65, -3.23
CIE LCh	56, 83.714, 357.787
Yxy	23.9124, 0.4719, 0.2427
Android (android.graphics.Color)	4294908303 (0xFFFF198F)
YUV	107.2220, 17.6386, 129.6013
Hunter-Lab	48.9003, 84.1830, 0.1309

Details

The CIELCh color **56, 83.714, 357.787** 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, 85.848, 150.224**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 68.707, 343.793**, and **41, 68.307, 3.623** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.777, 1.655**, and if you desaturate by 10%, it is **58, 80.541, 354.557**.

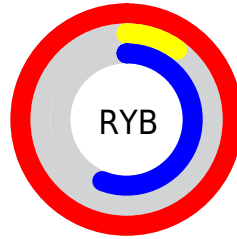
Distribution



Red (100%)

Green (10%)

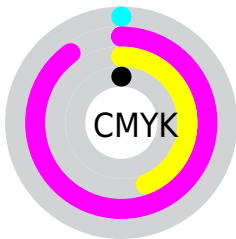
Blue (56%)



Red (100%)

Yellow (10%)

Blue (56%)

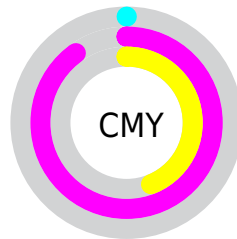


Cyan (0%)

Magenta (90%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (90%)


Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 83.714, 357.787 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, 83.714, 357.787 by changing the saturation by 10% instead.


 56, 83.714,
357.787


 56, 83.714,
357.787

 100, 83.714,
357.787


 46, 83.714,
357.787

 76, 83.714,
357.787

 36, 83.714,
357.787

 86, 83.714,
357.787

 26, 83.714,
357.787

 96, 83.714,
357.787

 16, 83.714,
357.787

 6, 83.714, 357.787

 0, 83.714, 357.787

■ 56, 83.714,
357.787

■ 56, 83.714,
357.787

■ 55, 84.777, 1.655

■ 58, 80.541,
354.557

■ 61, 74.824,
352.009

■ 65, 66.827,
349.979

■ 70, 57.103,
348.326

■ 75, 46.259,
346.942

■ 81, 34.822,
345.754

■ 87, 23.187,
344.708

■ 93, 11.622,

343.761

100, 0.292,
341.317

Harmonies

Complementary

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



56, 83.714, 357.787



89, 85.848, 150.224

Rectangle

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



56, 83.714, 357.787



56, 83.714, 47.787



56, 83.714, 177.787



56, 83.714, 227.787

Sweetspot

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



56, 83.710, 357.788



83, 31.050, 345.400



43, 120.687, 311.913



42, 20.946, 345.772



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, 83.710, 357.788



55, 84.798, 1.656



54, 98.041, 37.082



50, 6.440, 343.692



41, 68.407, 0.854



10, 32.000, 355.462

Inverse Universe

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



56, 83.710, 357.788



55, 84.798, 1.656



91, 50.040, 194.067



50, 6.440, 343.692



41, 68.407, 0.854



10, 32.000, 355.462

Previews

White Background



This preview shows how the CIELCh color 56, 83.714, 357.787 looks on a white background.

Color Contrast Check

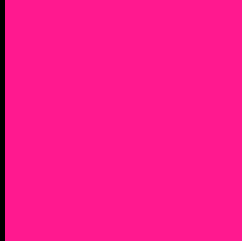
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.714, 357.787 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, 83.714, 357.787

Background



This preview shows how black text looks on a background with the CIELCh color 56, 83.714, 357.787.

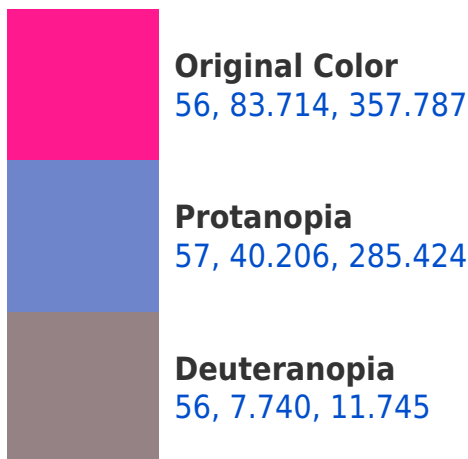


This preview shows how white text looks on a background with the CIELCh color 56, 83.714, 357.787.

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





Tritanopia
56, 83.354, 32.187

Trichromacy



Original Color
56, 83.714, 357.787



Protanomaly
51, 54.848, 320.628



Deuteranomaly
52, 44.100, 351.765



Tritanomaly
56, 80.213, 19.727

Monochromacy



Original Color
56, 83.714, 357.787



Achromatopsia
45, 0.006, 296.813



Achromatomaly
45, 40.746, 348.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 83.714, 357.787 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, 25, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 25, 143)  
}
```

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, 25, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 25, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 83.714, 357.787 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, 25, 143) }
```

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

```
.border{ border-color:rgb(255, 25, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 25, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 25, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 25, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 25,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 83.714, 357.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 25, 143) }
```

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

```
.background{ background-color: rgb(255, 25,  
143) }
```

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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