

Converting Colors

CIELCh(56, 83.484, 358.202)

Have a look what the booklet for
CIELCh(56, 83.484, 358.202)
contains.

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Color

CIELCh(56, 83.484, 358.202)

Conversions

Conversions Part 1

Format	Color
Hex	FF1A8E
RGB	255, 26, 142
RGB Percent	100%, 10%, 56%
CMY	0.0005, 0.8990, 0.4435
CMYK	0.00, 0.90, 0.44, 0.00
HSL	330°, 100%, 55%
HSV	330°, 90%, 100%
XYZ	46.4317, 23.9124, 27.7197
YIQ	107.6950, 99.2480, 84.6240

Conversions

Conversions Part 2

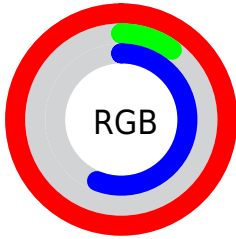
Format	Color
R_{YB}	255, 26, 142
Decimal	16718478
CIE _{Lab}	56.00, 83.44, -2.62
CIE _{LCh}	56, 83.484, 358.202
Yxy	23.9124, 0.4735, 0.2438
Android (android.graphics.Color)	4294908558 (0xFFFF1A8E)
YUV	107.6950, 16.9124, 129.1865
Hunter-Lab	48.9003, 83.9134, 0.6210

Details

The CIELCh color **56, 83.484, 358.202** 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, 85.087, 150.619**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 68.175, 344.555**, and **41, 68.273, 4.124** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.669, 2.226**, and if you desaturate by 10%, it is **58, 80.185, 354.942**.

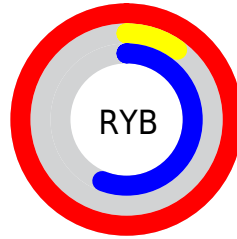
Distribution



Red (100%)

Green (10%)

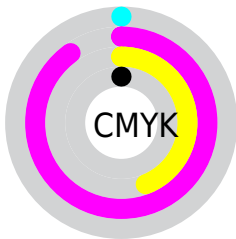
Blue (56%)



Red (100%)

Yellow (10%)

Blue (56%)

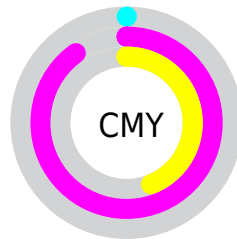


Cyan (0%)

Magenta (90%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 83.484, 358.202 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, 83.484, 358.202 by changing the saturation by 10% instead.


 56, 83.484,
358.202


 56, 83.484,
358.202


 100, 83.484,
358.202


 46, 83.484,
358.202


 76, 83.484,
358.202

 36, 83.484,
358.202

 86, 83.484,
358.202

 26, 83.484,
358.202

 96, 83.484,
358.202

 16, 83.484,
358.202

 6, 83.484, 358.202

 0, 83.484, 358.202

■ 56, 83.484,
358.202

■ 56, 83.484,
358.202

■ 55, 84.669, 2.226

■ 58, 80.185,
354.942

■ 55, 84.679, 2.269

■ 61, 74.364,
352.372

■ 65, 66.296,
350.325

■ 70, 56.535,
348.659

■ 75, 45.687,
347.267

■ 81, 34.271,
346.072

■ 87, 22.676,
345.021

■ 93, 11.163,

344.069

100, 0.044,
214.620

Harmonies

Complementary

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



56, 83.484, 358.202



89, 85.087, 150.619

Rectangle

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



56, 83.484, 358.202



56, 83.484, 48.202



56, 83.484, 178.202



56, 83.484, 228.202

Sweetspot

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



56, 83.480, 358.203



83, 30.929, 345.754



43, 120.438, 311.929



42, 20.866, 346.130



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, 83.480, 358.203



55, 84.711, 2.270



54, 97.740, 36.962



50, 6.412, 344.033



41, 68.325, 1.455



10, 31.936, 355.963

Inverse Universe

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



56, 83.480, 358.203



55, 84.711, 2.270



91, 49.995, 194.077



50, 6.412, 344.033



41, 68.325, 1.455



10, 31.936, 355.963

Previews

White Background



This preview shows how the CIELCh color 56, 83.484, 358.202 looks on a white background.

Color Contrast Check

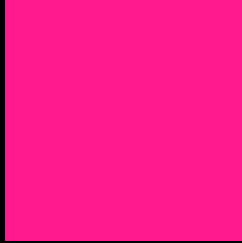
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.484, 358.202 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, 83.484, 358.202

Background



This preview shows how black text looks on a background with the CIELCh color 56, 83.484, 358.202.

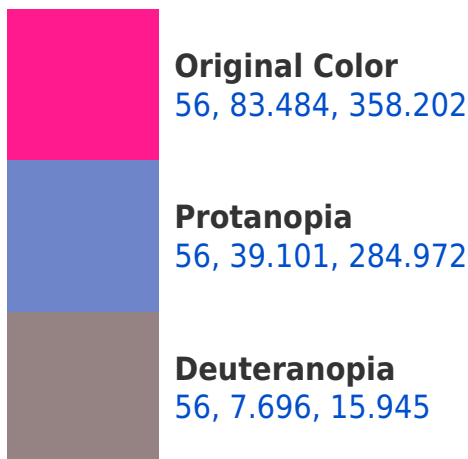


This preview shows how white text looks on a background with the CIELCh color 56, 83.484, 358.202.

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, 83.484, 358.202



Protanomaly
51, 54.369, 320.903



Deuteranomaly
52, 43.586, 352.090



Tritanomaly
56, 80.029, 19.854

Monochromacy



Original Color
56, 83.484, 358.202



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, 83.484, 358.202 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, 26, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 142)  
}
```

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, 26, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 83.484, 358.202 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, 26, 142) }
```

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

```
.border{ border-color:rgb(255, 26, 142) }
```

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

Here you see how a box with a 4 pixel rgb(255, 26, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 83.484, 358.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 142) }
```

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

```
.background{ background-color: rgb(255, 26,  
142) }
```

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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