

Converting Colors

CIELCh(56, 80.330, 346.814)

Have a look what the booklet for
CIELCh(56, 80.330, 346.814)
contains.

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Color

CIELCh(56, 80.174, 346.803)

Conversions

Conversions Part 1

Format	Color
Hex	F133A8
RGB	241, 51, 168
RGB Percent	95%, 20%, 66%
CMY	0.0547, 0.7997, 0.3410
CMYK	0.00, 0.79, 0.30, 0.05
HSL	323°, 87%, 57%
HSV	323°, 79%, 95%
XYZ	44.5524, 23.9124, 39.3352
YIQ	121.1480, 75.6830, 76.6670

Conversions

Conversions Part 2

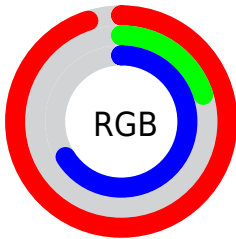
Format	Color
R _Y B	241, 51, 168
Decimal	15807400
CIE Lab	56.00, 78.06, -18.30
CIE LCh	56, 80.174, 346.803
Yxy	23.9124, 0.4133, 0.2218
Android (android.graphics.Color)	4293997480 (0xFFFF133A8)
YUV	121.1480, 23.0980, 105.1102
Hunter-Lab	48.9003, 77.0533, -13.4623

Details

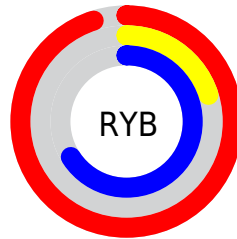
The CIELCh color **56, 80.174, 346.803** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **85, 82.433, 148.090**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 71.216, 335.546**, and **40, 68.801, 349.129** is the 20% darker color. If you saturate the color by 10%, you get **54, 83.349, 349.020**, and if you desaturate by 10%, it is **59, 74.340, 345.016**.

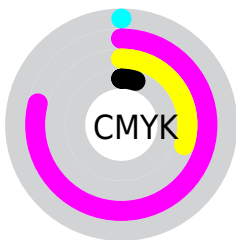
Distribution



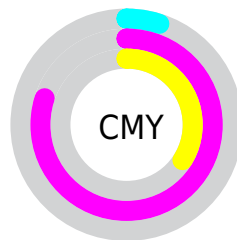
- Red (95%)
- Green (20%)
- Blue (66%)



- Red (95%)
- Yellow (20%)
- Blue (66%)



- Cyan (0%)
- Magenta (79%)
- Yellow (30%)
- Black (5%)





- Cyan (5%)
- Magenta (80%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 80.174, 346.803 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, 80.174, 346.803 by changing the saturation by 10% instead.


 56, 80.174,
346.803


 56, 80.174,
346.803


 100, 80.174,
346.803


 46, 80.174,
346.803


 76, 80.174,
346.803

 36, 80.174,
346.803

 86, 80.174,
346.803

 26, 80.174,
346.803

 96, 80.174,
346.803

 16, 80.174,
346.803

 6, 80.174, 346.803

 0, 80.174, 346.803

56, 80.174,
346.803

56, 80.174,
346.803

54, 83.349,
349.020

59, 74.340,
345.016

53, 84.072,
351.759

63, 66.217,
343.542

53, 84.100,
352.104

67, 56.372,
342.293

72, 45.405,
341.205

78, 33.822,
340.234

84, 22.009,
339.351

90, 10.227,
338.525

96, 1.357, 158.134

Harmonies

Complementary

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



56, 80.174, 346.803



85, 82.433, 148.090

Rectangle

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



56, 80.174, 346.803



56, 80.174, 36.803



56, 80.174, 166.803



56, 80.174, 216.803

Sweetspot

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



56, 80.170, 346.804



85, 29.466, 339.806



43, 107.228, 309.775



43, 20.258, 340.127



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, 80.170, 346.804



56, 87.665, 350.742



54, 78.704, 26.053



47, 6.571, 338.579



40, 68.784, 351.544



9, 30.897, 347.217

Inverse Universe

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



56, 80.170, 346.804



56, 87.665, 350.742



86, 49.903, 182.624



47, 6.571, 338.579



40, 68.784, 351.544



9, 30.897, 347.217

Previews

White Background



This preview shows how the CIELCh color 56, 80.174, 346.803 looks on a white background.

Color Contrast Check

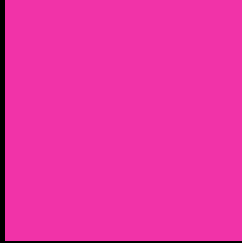
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.174, 346.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

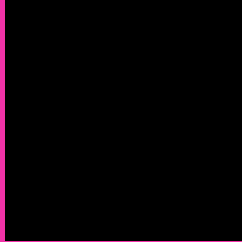
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 80.174, 346.803

Background



This preview shows how black text looks on a background with the CIELCh color 56, 80.174, 346.803.

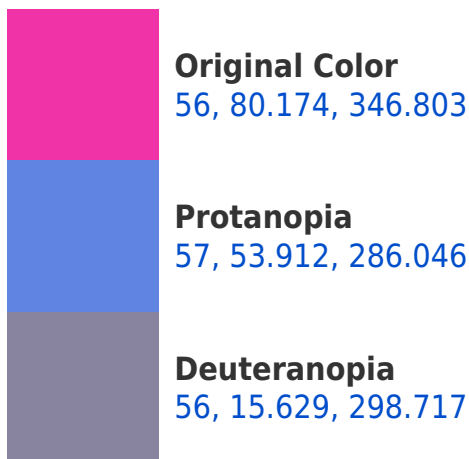


This preview shows how white text looks on a background with the CIELCh color 56, 80.174, 346.803.

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, 67.732, 27.300

Trichromacy



Original Color
56, 80.174, 346.803



Protanomaly
52, 60.412, 309.788



Deuteranomaly
53, 42.872, 331.957



Tritanomaly
56, 67.749, 10.518

Monochromacy



Original Color
56, 80.174, 346.803



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 35.727, 341.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 80.174, 346.803 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(241, 51, 168)` looks like.

```
.text, #text, p{  
    color:rgb(241, 51, 168)  
}
```

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(241, 51, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 51, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 80.174, 346.803 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(241, 51, 168) }
```

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

```
.border{ border-color:rgb(241, 51, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 51, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 51, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 51, 168);  
box-shadow:4px 4px 4px 4px rgb(241, 51,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 80.174, 346.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 51, 168) }
```

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

```
.background{ background-color: rgb(241, 51,  
168) }
```

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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