

Converting Colors

CIELCh(56, 82.457, 3.632)

Have a look what the booklet for
CIELCh(56, 82.457, 3.632) contains.

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Color

CIELCh(56, 82.156, 3.349)

Conversions

Conversions Part 1

Format	Color
Hex	FF1E81
RGB	255, 30, 129
RGB Percent	100%, 12%, 51%
CMY	0.0000, 0.8815, 0.4922
CMYK	0.00, 0.88, 0.49, 0.00
HSL	334°, 100%, 56%
HSV	334°, 88%, 100%
XYZ	45.9287, 23.9124, 23.1320
YIQ	108.5610, 102.3210, 78.4890

Conversions

Conversions Part 2

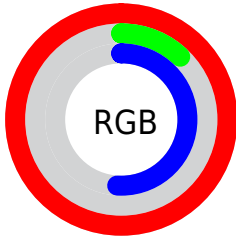
Format	Color
R_{YB}	255, 30, 129
Decimal	16719489
CIE _{Lab}	56.00, 82.02, 4.80
CIE _{LCh}	56, 82.156, 3.349
Yxy	23.9124, 0.4940, 0.2572
Android (android.graphics.Color)	4294909569 (0xFFFF1E81)
YUV	108.5610, 10.0764, 128.4270
Hunter-Lab	48.9003, 82.0772, 6.1835

Details

The CIELCh color **56, 82.156, 3.349** 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, 78.607, 154.508**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 64.612, 350.002**, and **41, 68.068, 9.969** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.150, 7.807**, and if you desaturate by 10%, it is **58, 77.815, 359.548**.

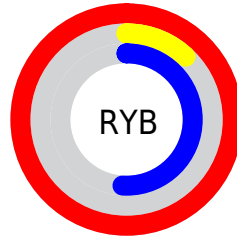
Distribution



Red (100%)

Green (12%)

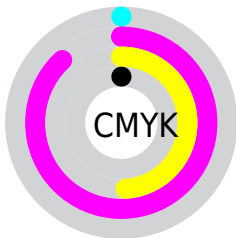
Blue (51%)



Red (100%)

Yellow (12%)

Blue (51%)

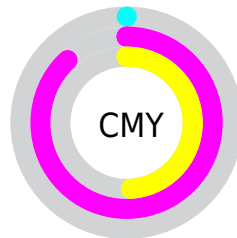


Cyan (0%)

Magenta (88%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 82.156, 3.349 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, 82.156, 3.349 by changing the saturation by 10% instead.

 56, 82.156, 3.349  56, 82.156, 3.349


 100, 82.156, 3.349  46, 82.156, 3.349

 76, 82.156, 3.349  36, 82.156, 3.349


 86, 82.156, 3.349  26, 82.156, 3.349

 96, 82.156, 3.349  16, 82.156, 3.349

 6, 82.156, 3.349

 0, 82.156, 3.349

 56, 82.156, 3.349  56, 82.156, 3.349

 55, 84.150, 7.807  58, 77.815,
359.548

 54, 84.488, 8.704

61, 71.340,
356.655

66, 62.881,
354.368

70, 52.982,
352.526

76, 42.213,
351.005

82, 31.048,
349.716

88, 19.831,
348.596

95, 8.786, 347.586

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, 82.156, 3.349



89, 78.607, 154.508

Rectangle

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



56, 82.156, 3.349



56, 82.156, 53.349



56, 82.156, 183.349



56, 82.156, 233.349

Sweetspot

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



56, 82.003, 3.229



83, 28.637, 349.464



46, 117.965, 313.646



42, 19.458, 349.875



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, 82.003, 3.229



54, 84.488, 8.704



55, 95.927, 38.114



50, 6.144, 347.721



41, 68.013, 7.758



10, 31.443, 1.286

Inverse Universe

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



56, 82.003, 3.229



54, 84.488, 8.704



88, 46.296, 203.976



50, 6.144, 347.721



41, 68.013, 7.758



10, 31.443, 1.286

Previews

White Background



This preview shows how the CIELCh color 56, 82.156, 3.349 looks on a white background.

Color Contrast Check

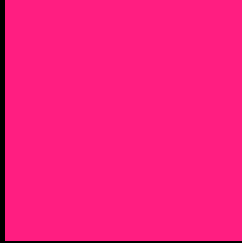
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.156, 3.349 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, 82.156, 3.349

Background



This preview shows how black text looks on a background with the CIELCh color 56, 82.156, 3.349.

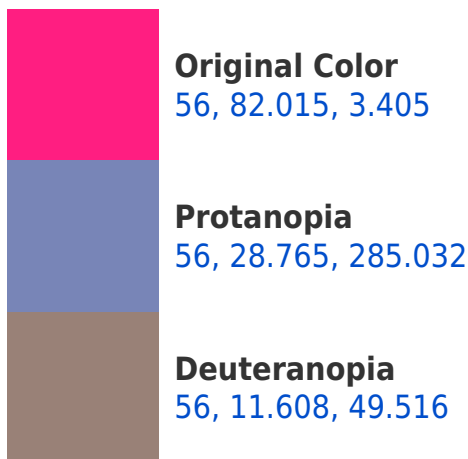


This preview shows how white text looks on a background with the CIELCh color 56, 82.156, 3.349.

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, 85.304, 32.991

Trichromacy



Original Color
56, 82.015, 3.405



Protanomaly
51, 46.595, 328.734



Deuteranomaly
52, 42.166, 2.145



Tritanomaly
56, 81.665, 22.564

Monochromacy



Original Color
56, 82.015, 3.405



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 38.431, 352.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 82.156, 3.349 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, 30, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 30, 129)  
}
```

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, 30, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 30, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 82.156, 3.349 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, 30, 129) }
```

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

```
.border{ border-color:rgb(255, 30, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 30, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 30, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 30, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 30,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 82.156, 3.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 30, 129) }
```

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

```
.background{ background-color: rgb(255, 30,  
129) }
```

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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