

Converting Colors

CIELCh(56, 87.858, 350.957)

Have a look what the booklet for
CIELCh(56, 87.858, 350.957)
contains.

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Color

CIELCh(56, 87.910, 350.958)

Conversions

Conversions Part 1

Format	Color
Hex	FF06A1
RGB	255, 6, 161
RGB Percent	100%, 2%, 63%
CMY	0.0009, 0.9763, 0.3694
CMYK	0.00, 0.98, 0.37, 0.00
HSL	323°, 100%, 51%
HSV	323°, 98%, 100%
XYZ	47.6357, 23.9124, 35.7331
YIQ	98.1210, 98.6490, 100.9930

Conversions

Conversions Part 2

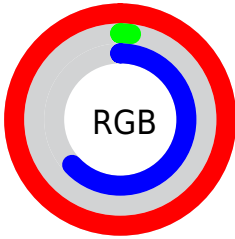
Format	Color
RYB	255, 6, 161
Decimal	16713377
CIELab	56.00, 86.82, -13.82
CIELCh	56, 87.910, 350.958
Yxy	23.9124, 0.4440, 0.2229
Android (android.graphics.Color)	4294903457 (0xFFFF06A1)
YUV	98.1210, 30.9993, 137.5829
Hunter-Lab	48.9003, 88.3083, -9.0949

Details

The CIELCh color **56, 87.910, 350.958** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **88, 99.450, 143.830**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 76.289, 337.088**, and **42, 69.656, 355.838** is the 20% darker color. If you saturate the color by 10%, you get **56, 87.926, 351.638**, and if you desaturate by 10%, it is **57, 87.022, 348.316**.

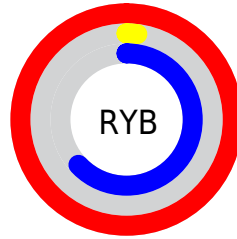
Distribution



Red (100%)

Green (2%)

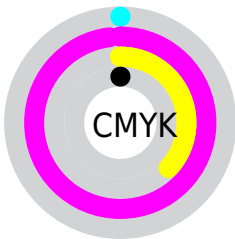
Blue (63%)



Red (100%)

Yellow (2%)

Blue (63%)

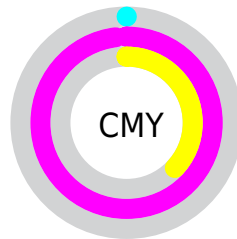


Cyan (0%)

Magenta (98%)

Yellow (37%)

Black (0%)



Cyan (0%)


Magenta (98%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 87.910, 350.958 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, 87.910, 350.958 by changing the saturation by 10% instead.


 56, 87.910,
350.958


 56, 87.910,
350.958


 100, 87.910,
350.958


 46, 87.910,
350.958


 76, 87.910,
350.958

 36, 87.910,
350.958

 86, 87.910,
350.958

 26, 87.910,
350.958

 96, 87.910,
350.958

 16, 87.910,
350.958

 6, 87.910, 350.958

 0, 87.910, 350.958

■ 56, 87.910,
350.958

■ 56, 87.910,
350.958

■ 56, 87.926,
351.638

■ 57, 87.022,
348.316

■ 59, 83.434,
346.190

■ 63, 77.072,
344.470

■ 67, 68.346,
343.046

■ 71, 57.871,
341.833

■ 77, 46.270,
340.770

■ 83, 34.067,
339.818

■ 89, 21.653,

338.949

 95, 9.293, 338.130

Harmonies

Complementary

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



56, 87.910, 350.958



88, 99.450, 143.830

Rectangle

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



56, 87.910, 350.958



56, 87.910, 40.958



56, 87.910, 170.958



56, 87.910, 220.958

Sweetspot

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



56, 87.906, 350.959



82, 35.790, 339.944



38, 127.355, 309.203



41, 24.542, 340.344



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, 87.906, 350.959



56, 87.986, 351.640



53, 96.535, 33.947



50, 6.945, 338.284



42, 71.094, 351.086



11, 33.519, 347.403

Inverse Universe

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



56, 87.906, 350.959



56, 87.986, 351.640



90, 57.015, 178.202



50, 6.945, 338.284



42, 71.094, 351.086



11, 33.519, 347.403

Previews

White Background



This preview shows how the CIELCh color 56, 87.910, 350.958 looks on a white background.

Color Contrast Check

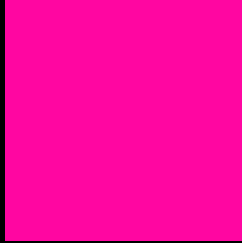
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.910, 350.958 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, 87.910, 350.958

Background



This preview shows how black text looks on a background with the CIELCh color 56, 87.910, 350.958.

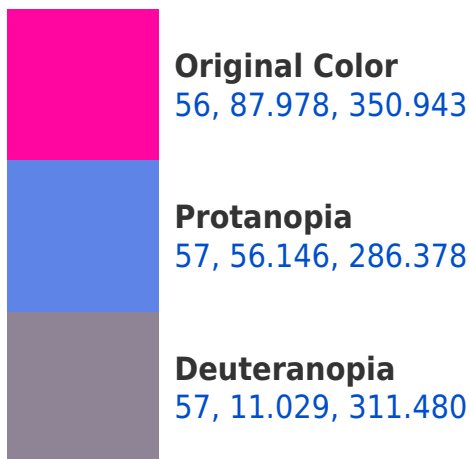


This preview shows how white text looks on a background with the CIELCh color 56, 87.910, 350.958.

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, 80.810, 31.499

Trichromacy



Original Color
56, 87.978, 350.943



Protanomaly
49, 70.944, 313.620



Deuteranomaly
51, 51.281, 338.378



Tritanomaly
55, 79.529, 15.493

Monochromacy



Original Color
56, 87.978, 350.943



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 46.174, 342.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 87.910, 350.958 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, 6, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 6, 161)  
}
```

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, 6, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 6, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 87.910, 350.958 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, 6, 161) }
```

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

```
.border{ border-color:rgb(255, 6, 161) }
```

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

Here you see how a box with a 4 pixel rgb(255, 6, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 6, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 6, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 6,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 87.910, 350.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 6, 161) }
```

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

```
.background{ background-color: rgb(255, 6,  
161) }
```

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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