

Converting Colors

CIELCh(56, 88.366, 350.897)

Have a look what the booklet for
CIELCh(56, 88.366, 350.897)
contains.

CIELCh(56, 88.319, 350.870)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 88.319, 350.870)

Conversions

Conversions Part 1

Format	Color
Hex	FF02A1
RGB	255, 2, 161
RGB Percent	100%, 1%, 63%
CMY	0.0000, 0.9927, 0.3680
CMYK	0.00, 0.99, 0.37, 0.00
HSL	322°, 100%, 50%
HSV	322°, 99%, 100%
XYZ	47.7735, 23.9124, 35.8873
YIQ	95.7730, 99.7490, 103.0850

Conversions

Conversions Part 2

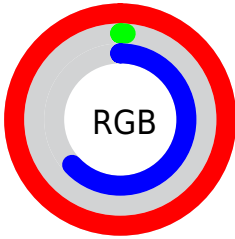
Format	Color
R_{YB}	255, 2, 161
Decimal	16712353
CIE _{Lab}	56.00, 87.20, -14.01
CIE _{LCh}	56, 88.319, 350.870
Yxy	23.9124, 0.4441, 0.2223
Android (android.graphics.Color)	4294902433 (0xFFFF02A1)
YUV	95.7730, 32.1569, 139.6421
Hunter-Lab	48.9003, 88.8112, -9.2820

Details

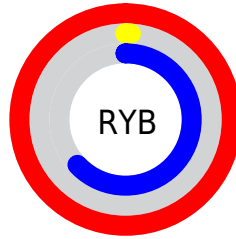
The CIELCh color **56, 88.319, 350.870** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **88, 101.066, 143.224**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 76.758, 337.047**, and **42, 69.656, 355.838** is the 20% darker color. If you saturate the color by 10%, you get **56, 88.294, 351.035**, and if you desaturate by 10%, it is **57, 87.728, 348.190**.

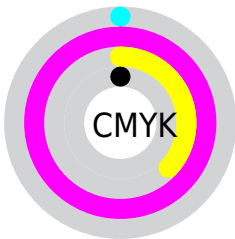
Distribution



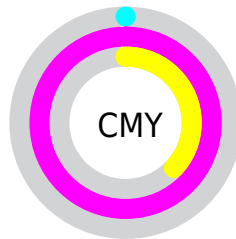
- Red (100%)
- Green (1%)
- Blue (63%)



- Red (100%)
- Yellow (1%)
- Blue (63%)



- Cyan (0%)
- Magenta (99%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (99%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 88.319, 350.870 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, 88.319, 350.870 by changing the saturation by 10% instead.

 56, 88.319,
350.870

 56, 88.319,
350.870

 100, 88.319,
350.870

 46, 88.319,
350.870


 76, 88.319,
350.870


 36, 88.319,
350.870

 86, 88.319,
350.870

 26, 88.319,
350.870

 96, 88.319,
350.870

 16, 88.319,
350.870

 6, 88.319, 350.870

 0, 88.319, 350.870

■ 56, 88.319,
350.870

■ 56, 88.319,
350.870

■ 56, 88.294,
351.035

■ 57, 87.728,
348.190

■ 59, 84.607,
346.044

■ 62, 78.667,
344.308

■ 66, 70.262,
342.873

■ 71, 59.990,
341.653

■ 76, 48.485,
340.585

■ 82, 36.293,
339.630

■ 88, 23.829,

338.758

94, 11.378,
337.943

Harmonies

Complementary

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



56, 88.319, 350.870



88, 101.066, 143.224

Rectangle

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



56, 88.319, 350.870



56, 88.319, 40.870



56, 88.319, 170.870



56, 88.319, 220.870

Sweetspot

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



56, 88.288, 350.831



81, 37.197, 339.696



37, 128.237, 309.129



41, 25.351, 340.090



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, 88.288, 350.831



56, 88.294, 351.035



53, 97.706, 34.675



50, 6.980, 337.961



42, 71.346, 350.497



11, 33.642, 346.919

Inverse Universe

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



56, 88.288, 350.831



56, 88.294, 351.035



90, 57.297, 177.959



50, 6.980, 337.961



42, 71.346, 350.497



11, 33.642, 346.919

Previews

White Background



This preview shows how the CIELCh color 56, 88.319, 350.870 looks on a white background.

Color Contrast Check

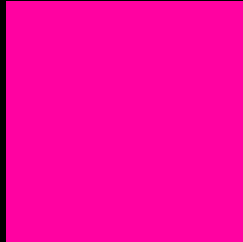
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.319, 350.870 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, 88.319, 350.870

Background



This preview shows how black text looks on a background with the CIELCh color 56, 88.319, 350.870.

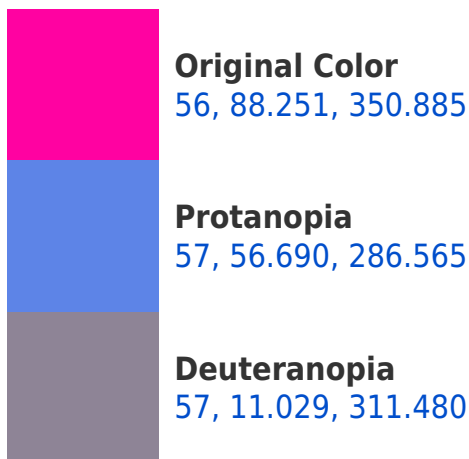


This preview shows how white text looks on a background with the CIELCh color 56, 88.319, 350.870.

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, 88.251, 350.885



Protanomaly
49, 72.034, 313.619



Deuteranomaly
51, 51.842, 338.287



Tritanomaly
55, 79.788, 14.871

Monochromacy



Original Color
56, 88.251, 350.885



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 47.259, 342.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 88.319, 350.870 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, 2, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 2, 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, 2, 161) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 56, 88.319, 350.870 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, 2, 161) }
```

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

```
.border{ border-color:rgb(255, 2, 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, 2, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 2, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 2, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 2,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 88.319, 350.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 2, 161) }
```

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

```
.background{ background-color: rgb(255, 2,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor