

Converting Colors

CIELCh(56, 88.969, 349.797)

Have a look what the booklet for
CIELCh(56, 88.969, 349.797)
contains.

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Color

CIELCh(56, 88.931, 349.864)

Conversions

Conversions Part 1

Format	Color
Hex	FF00A4
RGB	255, 0, 164
RGB Percent	100%, 0%, 64%
CMY	0.0003, 1.0000, 0.3572
CMYK	0.00, 1.00, 0.36, 0.00
HSL	321°, 100%, 50%
HSV	321°, 100%, 100%
XYZ	47.8972, 23.9124, 37.1778
YIQ	94.9410, 99.3360, 105.0640

Conversions

Conversions Part 2

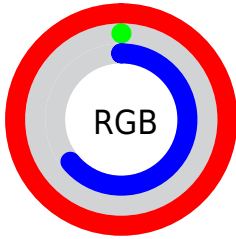
Format	Color
RYB	255, 0, 164
Decimal	16711844
CIELab	56.00, 87.54, -15.65
CIELCh	56, 88.931, 349.864
Yxy	23.9124, 0.4395, 0.2194
Android (android.graphics.Color)	4294901924 (0xFFFF00A4)
YUV	94.9410, 34.0461, 140.3717
Hunter-Lab	48.9003, 89.2629, -10.8467

Details

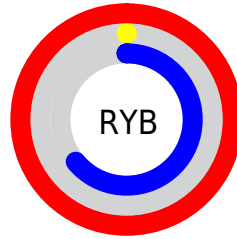
The CIELCh color **56, 88.931, 349.864** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **88, 102.599, 142.581**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 77.744, 336.159**, and **42, 70.069, 354.445** is the 20% darker color. If you saturate the color by 10%, you get **56, 88.905, 349.869**, and if you desaturate by 10%, it is **57, 88.482, 347.348**.

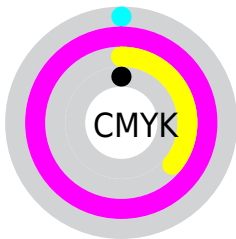
Distribution



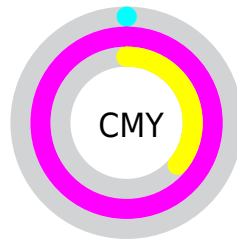
- Red (100%)
- Green (0%)
- Blue (64%)



- Red (100%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 88.931, 349.864 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, 88.931, 349.864 by changing the saturation by 10% instead.

 56, 88.931,
349.864

 56, 88.931,
349.864

 100, 88.931,
349.864

 46, 88.931,
349.864

 76, 88.931,
349.864

 36, 88.931,
349.864

 86, 88.931,
349.864

 26, 88.931,
349.864

 96, 88.931,
349.864

 16, 88.931,
349.864

 6, 88.931, 349.864

 0, 88.931, 349.864

■ 56, 88.931,
349.864

■ 56, 88.931,
349.864

■ 56, 88.905,
349.869

■ 57, 88.482,
347.348

■ 59, 85.568,
345.282

■ 62, 79.802,
343.605

■ 66, 71.515,
342.213

■ 70, 61.296,
341.025

■ 76, 49.781,
339.981

■ 81, 37.530,
339.043

■ 87, 24.970,

338.184

94, 12.399,
337.380

Harmonies

Complementary

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



56, 88.931, 349.864



88, 102.599, 142.581

Rectangle

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



56, 88.931, 349.864



56, 88.931, 39.864



56, 88.931, 169.864



56, 88.931, 219.864

Sweetspot

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



56, 88.905, 349.869



81, 37.541, 339.043



37, 128.968, 308.841



41, 25.582, 339.427



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, 88.905, 349.869



56, 88.928, 349.870



53, 97.103, 33.995



50, 7.048, 337.341



42, 71.863, 349.363



11, 33.890, 345.989

Inverse Universe

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



56, 88.905, 349.869



56, 88.928, 349.870



90, 58.590, 175.887



50, 7.048, 337.341



42, 71.863, 349.363



11, 33.890, 345.989

Previews

White Background



This preview shows how the CIELCh color 56, 88.931, 349.864 looks on a white background.

Color Contrast Check

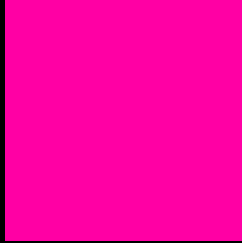
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.931, 349.864 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, 88.931, 349.864

Background



This preview shows how black text looks on a background with the CIELCh color 56, 88.931, 349.864.



This preview shows how white text looks on a background with the CIELCh color 56, 88.931, 349.864.

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



Original Color

56, 88.931, 349.864

Protanopia

57, 58.943, 286.708

Deuteranopia

57, 12.538, 307.194



Tritanopia
56, 80.359, 31.351

Trichromacy



Original Color
56, 88.931, 349.864



Protanomaly
49, 74.091, 312.898



Deuteranomaly
50, 53.259, 336.444



Tritanomaly
55, 79.700, 14.463

Monochromacy



Original Color
56, 88.931, 349.864



Achromatopsia
40, 0.006, 296.813



Achromatomaly
40, 48.102, 341.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 88.931, 349.864 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, 0, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 164)  
}
```

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, 0, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 88.931, 349.864 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, 0, 164) }
```

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

```
.border{ border-color:rgb(255, 0, 164) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 88.931, 349.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 164) }
```

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

```
.background{ background-color: rgb(255, 0,  
164) }
```

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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