

Converting Colors

CIELCh(58, 85.698, 347.624)

Have a look what the booklet for
CIELCh(58, 85.698, 347.624)
contains.

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Color

CIELCh(58, 85.844, 347.563)

Conversions

Conversions Part 1

Format	Color
Hex	FF2AAE
RGB	255, 42, 174
RGB Percent	100%, 16%, 68%
CMY	0.0001, 0.8354, 0.3178
CMYK	0.00, 0.84, 0.32, 0.00
HSL	323°, 100%, 58%
HSV	323°, 84%, 100%
XYZ	49.6913, 25.9610, 42.4219
YIQ	120.7350, 84.5760, 86.2080

Conversions

Conversions Part 2

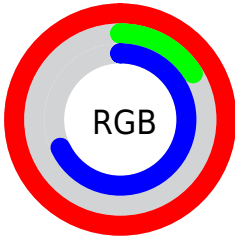
Format	Color
R _Y B	255, 42, 174
Decimal	16722606
CIE Lab	58.00, 83.83, -18.49
CIE LCh	58, 85.844, 347.563
Yxy	25.9610, 0.4208, 0.2199
Android (android.graphics.Color)	4294912686 (0xFFFF2AAE)
YUV	120.7350, 26.2596, 117.7504
Hunter-Lab	50.9519, 84.9179, -13.6977

Details

The CIELCh color **58, 85.844, 347.563** 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 **89, 90.112, 146.928**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 74.689, 333.401**, and **42, 71.739, 350.710** is the 20% darker color. If you saturate the color by 10%, you get **56, 87.771, 350.010**, and if you desaturate by 10%, it is **61, 81.091, 345.601**.

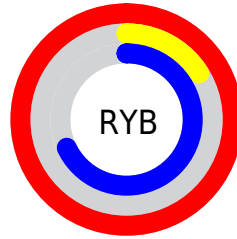
Distribution



Red (100%)

Green (16%)

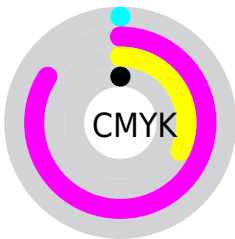
Blue (68%)



Red (100%)

Yellow (16%)

Blue (68%)

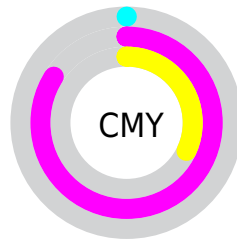


Cyan (0%)

Magenta (84%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (84%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 85.844, 347.563 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 58, 85.844, 347.563 by changing the saturation by 10% instead.


 58, 85.844,
347.563


 58, 85.844,
347.563


 100, 85.844,
347.563


 48, 85.844,
347.563


 78, 85.844,
347.563

 38, 85.844,
347.563

 88, 85.844,
347.563

 28, 85.844,
347.563

 98, 85.844,
347.563

 18, 85.844,
347.563

 8, 85.844, 347.563

 0, 85.844, 347.563

■ 58, 85.844,
347.563

■ 58, 85.844,
347.563

■ 56, 87.771,
350.010

■ 61, 81.091,
345.601

■ 56, 87.872,
351.853

■ 64, 73.699,
344.001

■ 68, 64.184,
342.662

■ 74, 53.185,
341.509

■ 79, 41.290,
340.491

■ 85, 28.972,
339.572

■ 91, 16.566,
338.726

■ 98, 4.294, 337.882

100, 0.015,
249.043

Harmonies

Complementary

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



58, 85.844, 347.563



89, 90.112, 146.928

Rectangle

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



58, 85.844, 347.563



58, 85.844, 37.563



58, 85.844, 167.563



58, 85.844, 217.563

Sweetspot

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



58, 85.840, 347.564



84, 30.786, 339.701



43, 117.421, 309.521



43, 21.015, 340.019



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 85.840, 347.564



56, 87.881, 351.853



55, 85.853, 27.087



50, 6.933, 338.397



42, 71.008, 351.294



11, 33.477, 347.573

Inverse Universe

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



58, 85.840, 347.564



56, 87.881, 351.853



91, 54.307, 180.200



50, 6.933, 338.397



42, 71.008, 351.294



11, 33.477, 347.573

Previews

White Background



This preview shows how the CIELCh color 58, 85.844, 347.563 looks on a white background.

Color Contrast Check

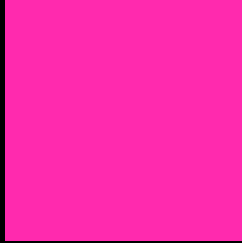
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 85.844, 347.563 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 58, 85.844, 347.563

Background



This preview shows how black text looks on a background with the CIELCh color 58, 85.844, 347.563.



This preview shows how white text looks on a background with the CIELCh color 58, 85.844, 347.563.

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

58, 85.844, 347.563

Protanopia

58, 58.650, 286.612

Deuteranopia

58, 15.576, 300.016



Tritanopia
58, 74.002, 28.802

Trichromacy



Original Color
58, 85.844, 347.563



Protanomaly
53, 66.467, 310.271



Deuteranomaly
54, 46.597, 333.322



Tritanomaly
57, 73.775, 12.031

Monochromacy



Original Color
58, 85.844, 347.563



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 40.144, 341.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 85.844, 347.563 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, 42, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 42, 174)  
}
```

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, 42, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 42, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 85.844, 347.563 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, 42, 174) }
```

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

```
.border{ border-color:rgb(255, 42, 174) }
```

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

Here you see how a box with a 4 pixel rgb(255, 42, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 42, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 42, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 42,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 85.844, 347.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 42, 174) }
```

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

```
.background{ background-color: rgb(255, 42,  
174) }
```

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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