

Converting Colors

CIELCh(59, 85.104, 345.947)

Have a look what the booklet for
CIELCh(59, 85.104, 345.947)
contains.

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Color

CIELCh(59, 85.077, 345.982)

Conversions

Conversions Part 1

Format	Color
Hex	FF33B4
RGB	255, 51, 180
RGB Percent	100%, 20%, 71%
CMY	0.0000, 0.7983, 0.2931
CMYK	0.00, 0.80, 0.29, 0.00
HSL	322°, 100%, 60%
HSV	322°, 80%, 100%
XYZ	50.8190, 27.0277, 45.8600
YIQ	126.7020, 80.1750, 83.3670

Conversions

Conversions Part 2

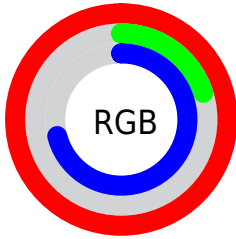
Format	Color
RYB	255, 51, 180
Decimal	16724916
CIELab	59.00, 82.54, -20.61
CIElCh	59, 85.077, 345.982
Yxy	27.0277, 0.4108, 0.2185
Android (android.graphics.Color)	4294914996 (0xFFFF33B4)
YUV	126.7020, 26.2759, 112.5173
Hunter-Lab	51.9882, 83.5062, -15.9093

Details

The CIELCh color **59, 85.077, 345.982** 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, 88.298, 147.148**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 74.289, 331.823**, and **43, 72.944, 348.177** is the 20% darker color. If you saturate the color by 10%, you get **57, 87.989, 348.058**, and if you desaturate by 10%, it is **62, 79.234, 344.182**.

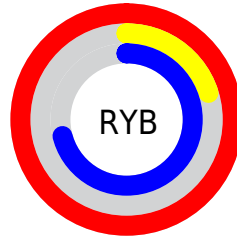
Distribution



Red (100%)

Green (20%)

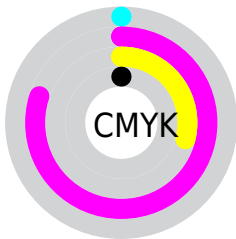
Blue (71%)



Red (100%)

Yellow (20%)

Blue (71%)

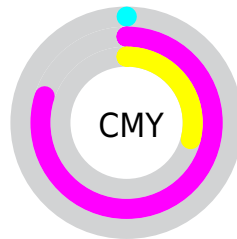


Cyan (0%)

Magenta (80%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 85.077, 345.982 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 59, 85.077, 345.982 by changing the saturation by 10% instead.


 59, 85.077,
345.982


 59, 85.077,
345.982


 100, 85.077,
345.982


 49, 85.077,
345.982


 79, 85.077,
345.982

 39, 85.077,
345.982

 89, 85.077,
345.982

 29, 85.077,
345.982

 99, 85.077,
345.982

 19, 85.077,
345.982

 9, 85.077, 345.982

 0, 85.077, 345.982

■ 59, 85.077,
345.982

■ 59, 85.077,
345.982

■ 57, 87.989,
348.058

■ 62, 79.234,
344.182

■ 56, 88.454,
350.682

■ 66, 70.942,
342.749

■ 56, 88.455,
350.728

■ 70, 60.741,
341.530

■ 76, 49.268,
340.464

■ 81, 37.077,
339.509

■ 87, 24.591,
338.638

■ 94, 12.104,
337.824

100, 0.012,

Harmonies

Complementary

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



59, 85.077, 345.982



89, 88.298, 147.148

Rectangle

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



59, 85.077, 345.982



59, 85.077, 35.982



59, 85.077, 165.982



59, 85.077, 215.982

Sweetspot

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



59, 85.028, 345.915



85, 29.810, 338.992



44, 113.528, 309.447



43, 20.493, 339.305



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 85.028, 345.915



56, 88.446, 349.633



56, 82.604, 25.382



50, 6.998, 337.798



42, 71.478, 350.198



11, 33.706, 346.674

Inverse Universe

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



59, 85.028, 345.915



56, 88.446, 349.633



91, 53.277, 180.683



50, 6.998, 337.798



42, 71.478, 350.198



11, 33.706, 346.674

Previews

White Background



This preview shows how the CIELCh color 59, 85.077, 345.982 looks on a white background.

Color Contrast Check

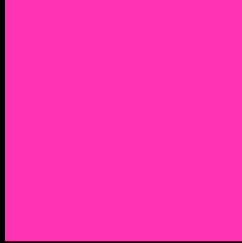
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 85.077, 345.982 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 59, 85.077, 345.982

Background



This preview shows how black text looks on a background with the CIELCh color 59, 85.077, 345.982.

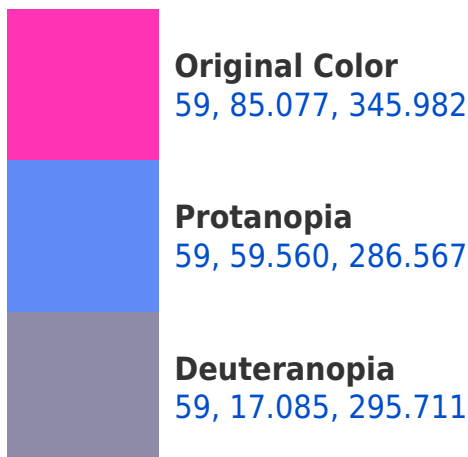


This preview shows how white text looks on a background with the CIELCh color 59, 85.077, 345.982.

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
59, 70.998, 27.532

Trichromacy



Original Color
59, 85.077, 345.982



Protanomaly
55, 66.546, 309.048



Deuteranomaly
56, 45.896, 330.731



Tritanomaly
59, 71.255, 10.304

Monochromacy



Original Color
59, 85.077, 345.982



Achromatopsia
53, 0.007, 296.813



Achromatomaly
52, 38.220, 341.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 85.077, 345.982 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, 51, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 180)  
}
```

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, 51, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 85.077, 345.982 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, 51, 180) }
```

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

```
.border{ border-color:rgb(255, 51, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 85.077, 345.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 180) }
```

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

```
.background{ background-color: rgb(255, 51,  
180) }
```

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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