Converting Colors

CIELCh(59, 85.851, 336.475)

Have a look what the booklet for CIELCh(59, 85.851, 336.475) contains.

Color

CIELCh(59, 85.987, 336.393)

Conversions

Conversions Part 1

Format	Color
Hex	F241CC
RGB	242, 65, 204
RGB Percent	95%, 25%, 80%
CMY	0.0509, 0.7449, 0.1999
CMYK	0.00, 0.73, 0.16, 0.05
HSL	313°, 87%, 60%
HSV	313°, 73%, 95%
XYZ	49.4224, 27.0277, 59.7548
YIQ	133.7690, 60.8730, 80.7530

Conversions

Conversions Part 2

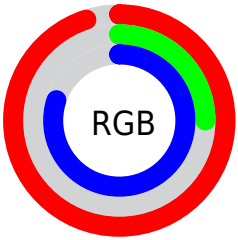
Format	Color
RYB	242, 65, 204
Decimal	15876556
CIELab	59.00, 78.79, -34.43
CIELCh	59, 85.987, 336.393
Yxy	27.0277, 0.3629, 0.1984
Android (android.graphics.Color)	4294066636 (0xFFF241CC)
YUV	133.7690, 34.6239, 94.9186
Hunter-Lab	51.9882, 78.7108, -31.7556

Details

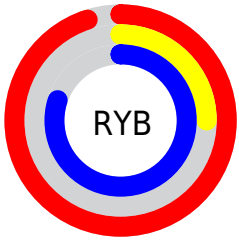
The CIELCh color 59, 85.987, 336.393 is a light color, and the websafe version is hex FF33CC. The color can be described as light washed magenta. A complement of this color would be 85, 89.349, 143.077, and the grayscale version is 56, 0.007, 296.813.

A 20% lighter version of the original color is 72, 77.396, 327.054, and 41, 77.914, 337.029 is the 20% darker color. If you saturate the color by 10%, you get 57, 91.210, 337.353, and if you desaturate by 10%, it is 62, 78.078, 335.529.

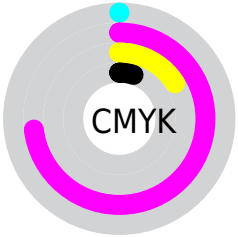
Distribution



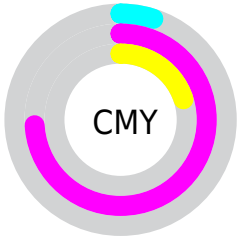
- Red (95%)
- Green (25%)
- Blue (80%)



- Red (95%)
- Yellow (25%)
- Blue (80%)



- Cyan (0%)
- Magenta (73%)
- Yellow (16%)
- Black (5%)



- Cyan (5%)
- Magenta (74%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 85.987, 336.393 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, 85.987, 336.393 by changing the saturation by 10% instead.

59, 85.987, 336.393

100, 85.987, 336.393

79, 85.987, 336.393

89, 85.987, 336.393

99, 85.987, 336.393

59, 85.987, 336.393

49, 85.987, 336.393

39, 85.987, 336.393

29, 85.987, 336.393

19, 85.987, 336.393

9, 85.987, 336.393

0, 85.987, 336.393

59, 85.987, 336.393

57, 91.210, 337.353

55, 93.559, 338.453

55, 93.849, 339.296

59, 85.987, 336.393

62, 78.078, 335.529

66, 67.996, 334.728

71, 56.352, 333.970

76, 43.725, 333.244

82, 30.592, 332.544

88, 17.302, 331.866

94, 4.094, 331.157

99, 6.631, 153.029

99, 5.011, 173.976

Harmonies

Complementary

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

59, 85.987, 336.393

85, 89.349, 143.077

Rectangle

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

59, 85.987, 336.393

59, 85.987, 26.393

59, 85.987, 156.393

59, 85.987, 206.393

Sweetspot

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

59, 85.984, 336.393

86, 30.357, 332.471

43, 102.459, 305.676

44, 20.402, 332.658

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, 85.984, 336.393

59, 96.507, 337.896

56, 70.509, 9.231

47, 7.414, 331.620

41, 76.493, 339.061

9, 34.139, 337.246

Inverse Universe

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

59, 85.984, 336.393

59, 96.507, 337.896

86, 57.671, 166.895

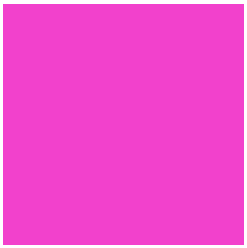
47, 7.414, 331.620

41, 76.493, 339.061

9, 34.139, 337.246

Previews

White Background

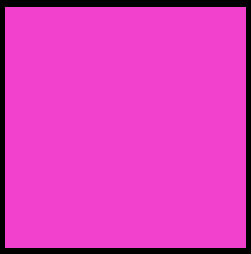


This preview shows how the CIELCh color 59, 85.987, 336.393 looks on a white background.

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



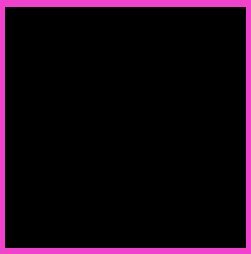
This preview shows how the CIELCh color 59, 85.987, 336.393 looks on a black background.

Color Contrast Check

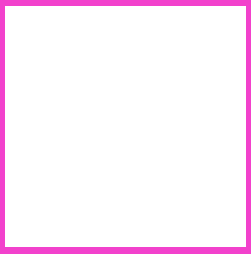
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 59, 85.987, 336.393 Background



This preview shows how black text looks on a background with the CIELCh color 59, 85.987, 336.393.



This preview shows how white text looks on a background with the CIELCh color 59, 85.987, 336.393.

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

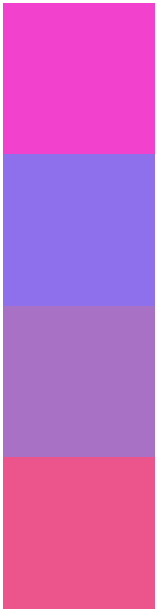
Original Color
59, 85.987, 336.393

Protanopia
60, 65.740, 286.642

Deuteranopia
59, 30.177, 285.544

Tritanopia
59, 58.044, 23.539

Trichromacy



Original Color
59, 85.987, 336.393

Protanomaly
56, 71.212, 304.468

Deuteranomaly
56, 51.254, 316.487

Tritanomaly
58, 62.545, 1.279

Monochromacy

Original Color
59, 85.987, 336.393

Achromatopsia
56, 0.007, 296.813

Achromatomaly
54, 36.986, 333.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 85.987, 336.393 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(242, 65, 204) looks like.

```
.text, #text, p{
    color:rgb(242, 65, 204)
}
```

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(242, 65, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 65, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 85.987, 336.393 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(242, 65, 204) }
```

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

```
.border{ border-color:rgb(242, 65, 204) }
```

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

Here you see how a box with a 4 pixel rgb(242, 65, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 65, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 65, 204); box-shadow:4px 4px 4px 4px rgb(242, 65, 204) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 85.987, 336.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(242, 65, 204) }
```

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

```
.background{ background-color:rgb(242, 65,
204) }
```

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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