

Converting Colors

CIELCh(64, 84.707, 335.819)

Have a look what the booklet for
CIELCh(64, 84.707, 335.819)
contains.

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Color

CIELCh(64, 84.755, 335.708)

Conversions

Conversions Part 1

Format	Color
Hex	FF55DB
RGB	255, 85, 219
RGB Percent	100%, 33%, 86%
CMY	0.0007, 0.6673, 0.1418
CMYK	0.00, 0.67, 0.14, 0.00
HSL	313°, 100%, 67%
HSV	313°, 67%, 100%
XYZ	57.1752, 32.8017, 70.2243
YIQ	151.1060, 58.3060, 77.7140

Conversions

Conversions Part 2

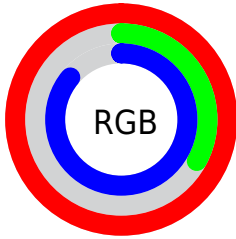
Format	Color
R _Y B	255, 85, 219
Decimal	16733659
CIE _{Lab}	64.00, 77.25, -34.87
CIE _{LCh}	64, 84.755, 335.708
Y _{xy}	32.8017, 0.3569, 0.2048
Android (android.graphics.Color)	4294923739 (0xFFFF55DB)
YUV	151.1060, 33.4717, 91.1150
Hunter-Lab	57.2727, 77.9688, -32.6068

Details

The CIELCh color **64, 84.755, 335.708** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **89, 86.825, 143.980**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 67.358, 326.728**, and **44, 83.337, 335.548** is the 20% darker color. If you saturate the color by 10%, you get **61, 92.003, 336.595**, and if you desaturate by 10%, it is **68, 75.000, 334.893**.

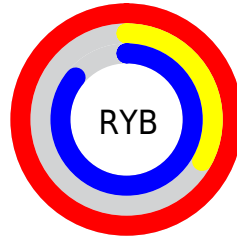
Distribution



Red (100%)

Green (33%)

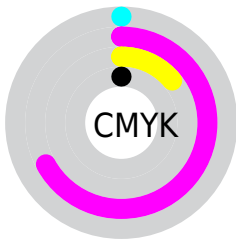
Blue (86%)



Red (100%)

Yellow (33%)

Blue (86%)

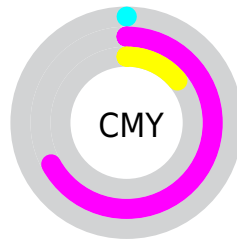


Cyan (0%)

Magenta (67%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (67%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 84.755, 335.708 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 64, 84.755, 335.708 by changing the saturation by 10% instead.

 64, 84.755,
335.708

 64, 84.755,
335.708

 100, 84.755,
335.708

 54, 84.755,
335.708

 84, 84.755,
335.708

 44, 84.755,
335.708

 94, 84.755,
335.708

 34, 84.755,
335.708

 24, 84.755,
335.708

 14, 84.755,
335.708

 4, 84.755, 335.708

 0, 84.755, 335.708

64, 84.755,
335.708

64, 84.755,
335.708

61, 92.003,
336.595

68, 75.000,
334.893

59, 96.324,
337.589

73, 63.369,
334.125

58, 97.694,
338.736

78, 50.494,
333.391

58, 97.760,
339.139

83, 36.919,
332.683

89, 23.058,
331.999

96, 9.205, 331.323

100, 0.060,
210.504

Harmonies

Complementary

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



64, 84.755, 335.708



89, 86.825, 143.980

Rectangle

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



64, 84.755, 335.708



64, 84.755, 25.708



64, 84.755, 155.708



64, 84.755, 205.708

Sweetspot

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



64, 84.752, 335.708



87, 27.644, 332.222



49, 97.520, 304.937



45, 18.870, 332.414



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 84.752, 335.708



60, 93.809, 336.908



61, 68.284, 7.126



50, 7.817, 331.514



43, 78.994, 338.909



11, 37.036, 337.357

Inverse Universe

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



64, 84.752, 335.708



60, 93.809, 336.908



91, 56.407, 167.959



50, 7.817, 331.514



43, 78.994, 338.909



11, 37.036, 337.357

Previews

White Background



This preview shows how the CIELCh color 64, 84.755, 335.708 looks on a white background.

Color Contrast Check

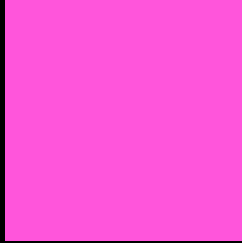
Large Text (above 18pt) WCAG AA × Fail

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 64, 84.755, 335.708 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 84.755, 335.708

Background



This preview shows how black text looks on a background with the CIELCh color 64, 84.755, 335.708.

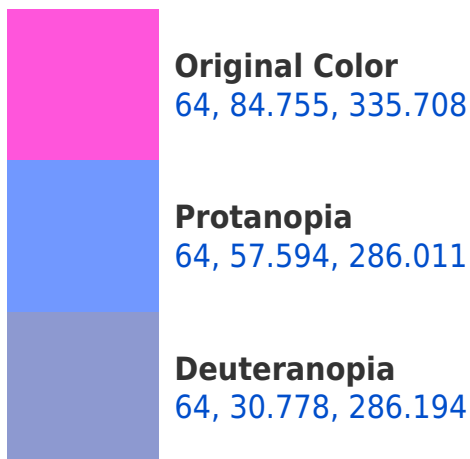


This preview shows how white text looks on a background with the CIELCh color 64, 84.755, 335.708.

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
64, 55.223, 21.750

Trichromacy



Original Color
64, 84.755, 335.708



Protanomaly
62, 64.879, 306.101



Deuteranomaly
62, 50.351, 315.617



Tritanomaly
64, 60.667, 359.570

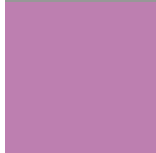
Monochromacy



Original Color
64, 84.755, 335.708



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 35.559, 332.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 84.755, 335.708 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, 85, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 219)  
}
```

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, 85, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 84.755, 335.708 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, 85, 219) }
```

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

```
.border{ border-color:rgb(255, 85, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 85, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 84.755, 335.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 219) }
```

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

```
.background{ background-color: rgb(255, 85,  
219) }
```

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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