

Converting Colors

CIELCh(64, 83.304, 335.425)

Have a look what the booklet for
CIELCh(64, 83.304, 335.425)
contains.

CIELCh(64, 83.362, 335.576)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 83.362, 335.576)

Conversions

Conversions Part 1

Format	Color
Hex	FD57DA
RGB	253, 87, 218
RGB Percent	99%, 34%, 85%
CMY	0.0074, 0.6584, 0.1447
CMYK	0.00, 0.66, 0.14, 0.01
HSL	313°, 98%, 67%
HSV	313°, 66%, 99%
XYZ	56.6288, 32.8017, 69.7400
YIQ	151.5680, 56.8850, 75.9330

Conversions

Conversions Part 2

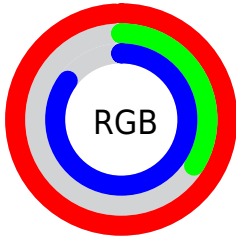
Format	Color
R _Y B	253, 87, 218
Decimal	16603098
CIE Lab	64.00, 75.90, -34.47
CIE LCh	64, 83.362, 335.576
Yxy	32.8017, 0.3558, 0.2061
Android (android.graphics.Color)	4294793178 (0xFFFD57DA)
YUV	151.5680, 32.7510, 88.9559
Hunter-Lab	57.2727, 76.2658, -32.1055

Details

The CIELCh color **64, 83.362, 335.576** 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, 85.210, 144.134**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 66.782, 326.709**, and **44, 82.969, 335.590** is the 20% darker color. If you saturate the color by 10%, you get **61, 90.889, 336.450**, and if you desaturate by 10%, it is **68, 73.408, 334.770**.

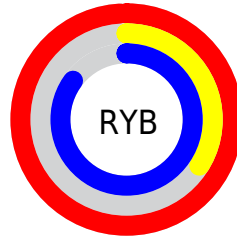
Distribution



Red (99%)

Green (34%)

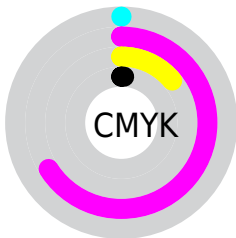
Blue (85%)



Red (99%)

Yellow (34%)

Blue (85%)

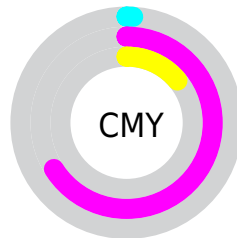


Cyan (0%)

Magenta (66%)

Yellow (14%)

Black (1%)



Cyan (1%)

Magenta (66%)

Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 83.362, 335.576 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, 83.362, 335.576 by changing the saturation by 10% instead.

 64, 83.362,
335.576


 64, 83.362,
335.576


 100, 83.362,
335.576


 54, 83.362,
335.576


 84, 83.362,
335.576

 44, 83.362,
335.576

 94, 83.362,
335.576

 34, 83.362,
335.576

 24, 83.362,
335.576

 14, 83.362,
335.576

 4, 83.362, 335.576

 0, 83.362, 335.576

64, 83.362,
335.576

64, 83.362,
335.576

61, 90.889,
336.450

68, 73.408,
334.770

59, 95.538,
337.425

73, 61.662,
334.008

57, 97.223,
338.546

78, 48.747,
333.279

57, 97.321,
339.084

84, 35.188,
332.575

90, 21.385,
331.894

96, 7.614, 331.215

100, 0.659,
200.369

Harmonies

Complementary

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



64, 83.362, 335.576



89, 85.210, 144.134

Rectangle

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



64, 83.362, 335.576



64, 83.362, 25.576



64, 83.362, 155.576



64, 83.362, 205.576

Sweetspot

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



64, 83.359, 335.576



87, 27.659, 332.193



49, 95.303, 304.794



45, 18.880, 332.385



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, 83.359, 335.576



60, 93.359, 336.772



61, 66.942, 6.770



50, 7.822, 331.486



43, 79.039, 338.860



11, 37.055, 337.316

Inverse Universe

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



64, 83.359, 335.576



60, 93.359, 336.772



90, 55.418, 168.148



50, 7.822, 331.486



43, 79.039, 338.860



11, 37.055, 337.316

Previews

White Background



This preview shows how the CIELCh color 64, 83.362, 335.576 looks on a white background.

Color Contrast Check

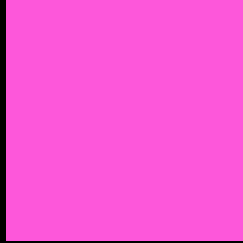
Large Text (above 18pt) WCAG AA × Fail

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, 83.362, 335.576 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, 83.362, 335.576

Background



This preview shows how black text looks on a background with the CIELCh color 64, 83.362, 335.576.

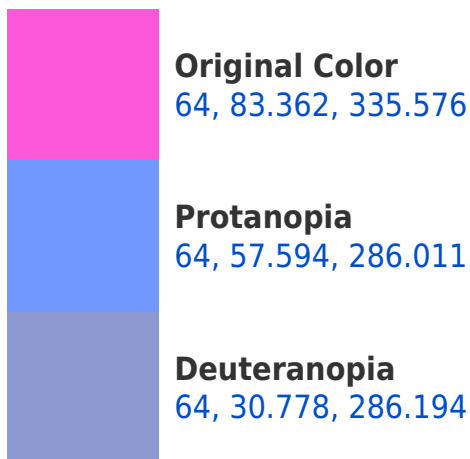


This preview shows how white text looks on a background with the CIELCh color 64, 83.362, 335.576.

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, 54.351, 21.532

Trichromacy



Original Color
64, 83.362, 335.576



Protanomaly
61, 64.852, 305.838



Deuteranomaly
62, 49.711, 315.460



Tritanomaly
63, 59.610, 359.337

Monochromacy



Original Color
64, 83.362, 335.576



Achromatopsia
63, 0.008, 296.813



Achromatomaly
61, 34.912, 333.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 83.362, 335.576 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(253, 87, 218)` looks like.

```
.text, #text, p{  
    color:rgb(253, 87, 218)  
}
```

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(253, 87, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 87, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 83.362, 335.576 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(253, 87, 218) }
```

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

```
.border{ border-color:rgb(253, 87, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 87, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 87, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 87, 218);  
box-shadow:4px 4px 4px 4px rgb(253, 87,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 83.362, 335.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 87, 218) }
```

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

```
.background{ background-color: rgb(253, 87,  
218) }
```

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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