

Converting Colors

CIELCh(64, 88.377, 334.316)

Have a look what the booklet for
CIELCh(64, 88.377, 334.316)
contains.

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Color

CIELCh(64, 88.367, 334.101)

Conversions

Conversions Part 1

Format	Color
Hex	FF52E2
RGB	255, 82, 226
RGB Percent	100%, 32%, 89%
CMY	0.0000, 0.6800, 0.1156
CMYK	0.00, 0.68, 0.12, 0.00
HSL	310°, 100%, 66%
HSV	310°, 68%, 100%
XYZ	58.0908, 32.8017, 74.8712
YIQ	150.1430, 56.8840, 81.4600

Conversions

Conversions Part 2

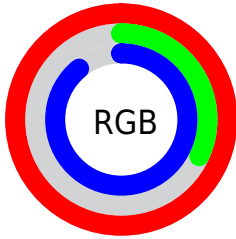
Format	Color
R _Y B	255, 82, 226
Decimal	16732898
CIE Lab	64.00, 79.49, -38.60
CIE LCh	64, 88.367, 334.101
Yxy	32.8017, 0.3504, 0.1979
Android (android.graphics.Color)	4294922978 (0xFFFF52E2)
YUV	150.1430, 37.3975, 91.9596
Hunter-Lab	57.2727, 80.8223, -37.4174

Details

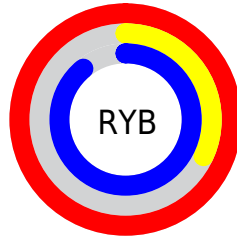
The CIELCh color **64, 88.367, 334.101** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **89, 90.840, 142.515**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 69.077, 326.784**, and **45, 85.360, 333.882** is the 20% darker color. If you saturate the color by 10%, you get **61, 95.445, 334.719**, and if you desaturate by 10%, it is **68, 78.573, 333.279**.

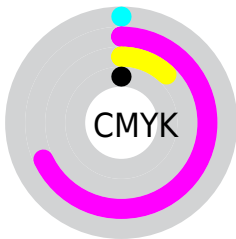
Distribution



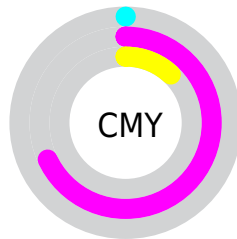
- Red (100%)
- Green (32%)
- Blue (89%)



- Red (100%)
- Yellow (32%)
- Blue (89%)



- Cyan (0%)
- Magenta (68%)
- Yellow (12%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 88.367, 334.101 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, 88.367, 334.101 by changing the saturation by 10% instead.

 64, 88.367,
334.101


 64, 88.367,
334.101


 100, 88.367,
334.101


 54, 88.367,
334.101


 84, 88.367,
334.101

 44, 88.367,
334.101

 94, 88.367,
334.101

 34, 88.367,
334.101

 24, 88.367,
334.101

 14, 88.367,
334.101

 4, 88.367, 334.101

 0, 88.367, 334.101

64, 88.367,
334.101

64, 88.367,
334.101

61, 95.445,
334.719

68, 78.573,
333.279

59, 99.601,
335.514

72, 66.835,
332.594

58, 100.874,
336.397

77, 53.739,
331.920

58, 100.957,
336.581

83, 39.848,
331.258

89, 25.603,
330.607

95, 11.322,
329.961

100, 0.012,
296.813

Harmonies

Complementary

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



64, 88.367, 334.101



89, 90.840, 142.515

Rectangle

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



64, 88.367, 334.101



64, 88.367, 24.101



64, 88.367, 154.101



64, 88.367, 204.101

Sweetspot

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



64, 88.309, 333.983



88, 28.461, 330.736



48, 99.682, 304.424



45, 19.426, 330.918



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, 88.309, 333.983



60, 97.473, 335.028



61, 69.573, 4.902



50, 8.052, 330.059



44, 81.498, 336.410



12, 38.085, 335.261

Inverse Universe

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



64, 88.309, 333.983



60, 97.473, 335.028



90, 59.119, 165.359



50, 8.052, 330.059



44, 81.498, 336.410



12, 38.085, 335.261

Previews

White Background



This preview shows how the CIELCh color 64, 88.367, 334.101 looks on a white background.

Color Contrast Check

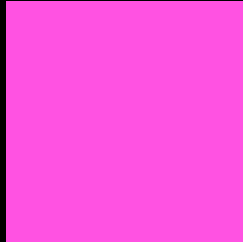
Large Text (above 18pt) WCAG AA × Fail

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, 88.367, 334.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

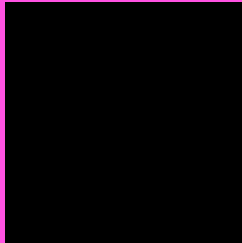
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 88.367, 334.101

Background



This preview shows how black text looks on a background with the CIELCh color 64, 88.367, 334.101.

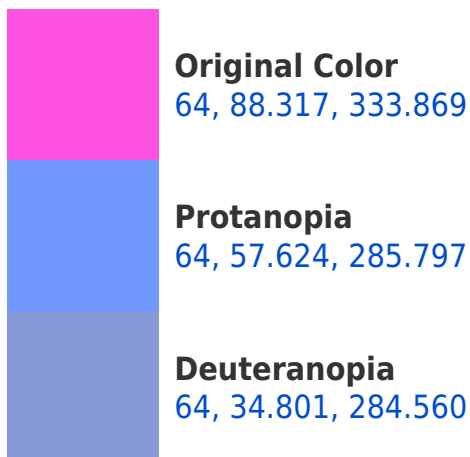


This preview shows how white text looks on a background with the CIELCh color 64, 88.367, 334.101.

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, 54.819, 21.666

Trichromacy



Original Color
64, 88.317, 333.869



Protanomaly
61, 67.145, 306.137



Deuteranomaly
62, 54.252, 313.260



Tritanomaly
63, 61.046, 358.124

Monochromacy



Original Color
64, 88.317, 333.869



Achromatopsia
62, 0.008, 296.813



Achromatomaly
60, 37.036, 331.744

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 88.367, 334.101 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, 82, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 226)  
}
```

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, 82, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 88.367, 334.101 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, 82, 226) }
```

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

```
.border{ border-color:rgb(255, 82, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 82, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 88.367, 334.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 226) }
```

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

```
.background{ background-color: rgb(255, 82,  
226) }
```

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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