

Converting Colors

CIELCh(64, 83.175, 337.555)

Have a look what the booklet for
CIELCh(64, 83.175, 337.555)
contains.

CIELCh(64, 82.811, 337.351)	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, 82.811, 337.351)

Conversions

Conversions Part 1

Format	Color
Hex	FF56D6
RGB	255, 86, 214
RGB Percent	100%, 34%, 84%
CMY	0.0000, 0.6642, 0.1625
CMYK	0.00, 0.66, 0.16, 0.00
HSL	315°, 100%, 67%
HSV	315°, 66%, 100%
XYZ	56.8402, 32.8017, 66.6559
YIQ	151.1230, 59.6360, 75.6360

Conversions

Conversions Part 2

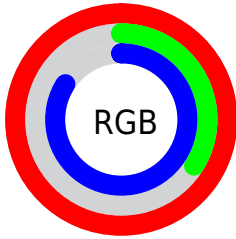
Format	Color
R _{YB}	255, 86, 214
Decimal	16733910
CIE _{Lab}	64.00, 76.42, -31.89
CIE _{LCh}	64, 82.811, 337.351
Yxy	32.8017, 0.3637, 0.2099
Android (android.graphics.Color)	4294923990 (0xFFFF56D6)
YUV	151.1230, 30.9984, 91.1001
Hunter-Lab	57.2727, 76.9245, -28.9128

Details

The CIELCh color **64, 82.811, 337.351** 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, 84.488, 145.096**, 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, 81.714, 337.023** is the 20% darker color. If you saturate the color by 10%, you get **61, 89.890, 338.234**, and if you desaturate by 10%, it is **68, 73.113, 336.302**.

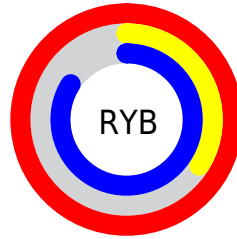
Distribution



Red (100%)

Green (34%)

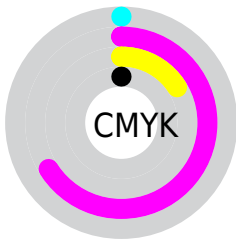
Blue (84%)



Red (100%)

Yellow (34%)

Blue (84%)

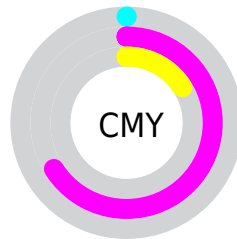


Cyan (0%)

Magenta (66%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 82.811, 337.351 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, 82.811, 337.351 by changing the saturation by 10% instead.


 64, 82.811,
337.351


 64, 82.811,
337.351


 100, 82.811,
337.351


 54, 82.811,
337.351


 84, 82.811,
337.351

 44, 82.811,
337.351

 94, 82.811,
337.351

 34, 82.811,
337.351

 24, 82.811,
337.351

 14, 82.811,
337.351

 4, 82.811, 337.351

 0, 82.811, 337.351

64, 82.811,
337.351

64, 82.811,
337.351

61, 89.890,
338.234

68, 73.113,
336.302

59, 94.146,
339.407

73, 61.665,
335.462

57, 95.455,
340.791

78, 49.020,
334.675

57, 95.482,
341.329

84, 35.711,
333.928

90, 22.145,
333.214

96, 8.604, 332.513

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, 82.811, 337.351



89, 84.488, 145.096

Rectangle

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



64, 82.811, 337.351



64, 82.811, 27.351



64, 82.811, 157.351



64, 82.811, 207.351

Sweetspot

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



64, 82.730, 337.215



87, 27.011, 333.466



50, 96.978, 305.627



45, 18.440, 333.667



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, 82.730, 337.215



60, 91.760, 338.633



61, 68.041, 9.669



50, 7.636, 332.732



43, 77.136, 341.043



11, 36.245, 339.134

Inverse Universe

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



64, 82.730, 337.215



60, 91.760, 338.633



91, 54.480, 170.535



50, 7.636, 332.732



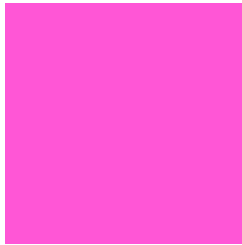
43, 77.136, 341.043



11, 36.245, 339.134

Previews

White Background



This preview shows how the CIELCh color 64, 82.811, 337.351 looks on a white background.

Color Contrast Check

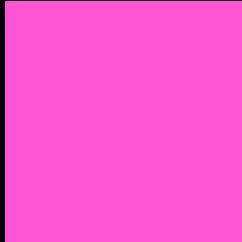
Large Text (above 18pt) WCAG AA × Fail

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, 82.811, 337.351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

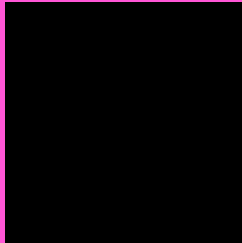
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 82.811, 337.351

Background



This preview shows how black text looks on a background with the CIELCh color 64, 82.811, 337.351.

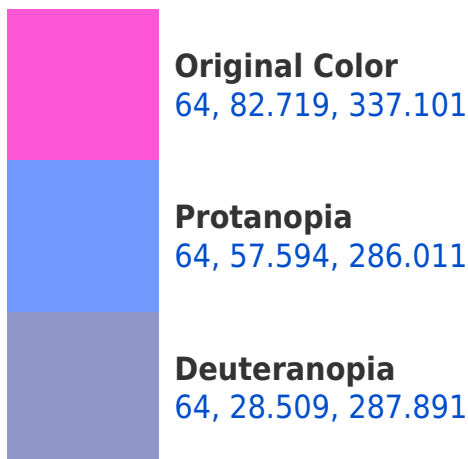


This preview shows how white text looks on a background with the CIELCh color 64, 82.811, 337.351.

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, 56.095, 21.967

Trichromacy



Original Color
64, 82.719, 337.101



Protanomaly
61, 63.824, 306.236



Deuteranomaly
62, 48.087, 317.641



Tritanomaly
63, 60.785, 0.856

Monochromacy



Original Color
64, 82.719, 337.101



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 34.780, 334.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 82.811, 337.351 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, 86, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 214)  
}
```

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, 86, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 82.811, 337.351 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, 86, 214) }
```

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

```
.border{ border-color:rgb(255, 86, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 86, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 82.811, 337.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 214) }
```

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

```
.background{ background-color: rgb(255, 86,  
214) }
```

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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