

Converting Colors

CIELCh(64, 87.897, 333.470)

Have a look what the booklet for
CIELCh(64, 87.897, 333.470)
contains.

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Color

CIELCh(64, 88.169, 333.425)

Conversions

Conversions Part 1

Format	Color
Hex	FE53E3
RGB	254, 83, 227
RGB Percent	100%, 33%, 89%
CMY	0.0039, 0.6745, 0.1098
CMYK	0.00, 0.67, 0.11, 0.00
HSL	309°, 99%, 66%
HSV	309°, 67%, 100%
XYZ	57.8292, 32.8017, 75.9535
YIQ	150.5450, 55.6920, 81.0360

Conversions

Conversions Part 2

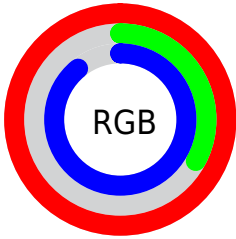
Format	Color
R_{YB}	254, 83, 227
Decimal	16667619
CIE _{Lab}	64.00, 78.85, -39.44
CIE _{LCh}	64, 88.169, 333.425
Yxy	32.8017, 0.3471, 0.1969
Android (android.graphics.Color)	4294857699 (0xFFFE53E3)
YUV	150.5450, 37.6923, 90.7300
Hunter-Lab	57.2727, 80.0069, -38.5379

Details

The CIELCh color **64, 88.169, 333.425** 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, 90.579, 142.268**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 68.506, 326.765**, and **45, 85.682, 333.379** is the 20% darker color. If you saturate the color by 10%, you get **61, 95.551, 334.116**, and if you desaturate by 10%, it is **68, 78.218, 332.755**.

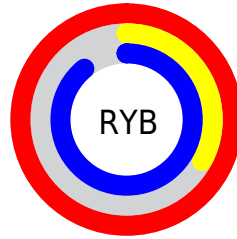
Distribution



Red (100%)

Green (33%)

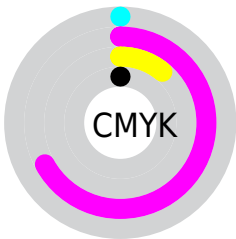
Blue (89%)



Red (100%)

Yellow (33%)

Blue (89%)

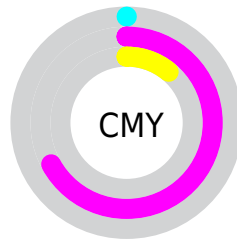


Cyan (0%)

Magenta (67%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (67%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 88.169, 333.425 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, 88.169, 333.425 by changing the saturation by 10% instead.

 64, 88.169,
333.425

 64, 88.169,
333.425


 100, 88.169,
333.425

 54, 88.169,
333.425


 84, 88.169,
333.425

 44, 88.169,
333.425

 94, 88.169,
333.425

 34, 88.169,
333.425

 24, 88.169,
333.425

 14, 88.169,
333.425

 4, 88.169, 333.425

 0, 88.169, 333.425

64, 88.169,
333.425

64, 88.169,
333.425

61, 95.551,
334.116

68, 78.218,
332.755

59, 99.977,
334.848

72, 66.311,
332.094

58, 101.480,
335.650

77, 53.082,
331.439

58, 101.611,
335.874

83, 39.087,
330.790

89, 24.760,
330.149

95, 10.409,
329.510

100, 0.348,
201.287

Harmonies

Complementary

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



64, 88.169, 333.425



89, 90.579, 142.268

Rectangle

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



64, 88.169, 333.425



64, 88.169, 23.425



64, 88.169, 153.425



64, 88.169, 203.425

Sweetspot

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



64, 88.166, 333.425



88, 28.702, 330.320



48, 98.436, 303.999



45, 19.590, 330.500



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, 88.166, 333.425



61, 97.833, 334.380



61, 68.948, 3.385



50, 8.121, 329.651



44, 82.258, 335.722



12, 38.401, 334.681

Inverse Universe

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



64, 88.166, 333.425



61, 97.833, 334.380



90, 59.470, 164.341



50, 8.121, 329.651



44, 82.258, 335.722



12, 38.401, 334.681

Previews

White Background



This preview shows how the CIELCh color 64, 88.169, 333.425 looks on a white background.

Color Contrast Check

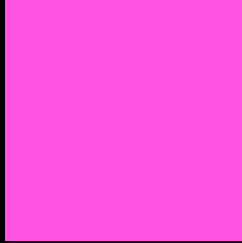
Large Text (above 18pt) WCAG AA × Fail

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, 88.169, 333.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

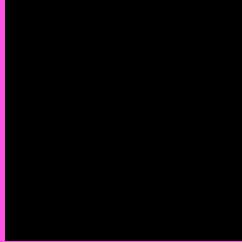
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 88.169, 333.425

Background



This preview shows how black text looks on a background with the CIELCh color 64, 88.169, 333.425.

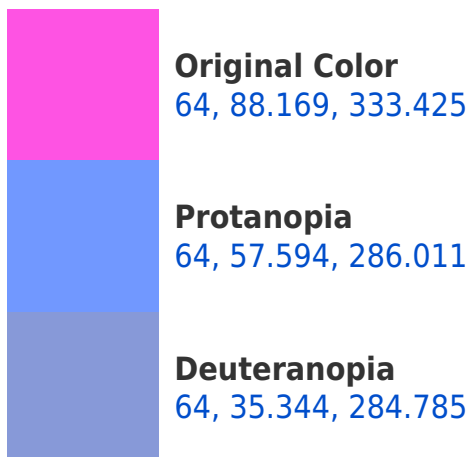


This preview shows how white text looks on a background with the CIELCh color 64, 88.169, 333.425.

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, 53.947, 21.447

Trichromacy



Original Color
64, 88.169, 333.425



Protanomaly
61, 67.054, 305.869



Deuteranomaly
62, 54.052, 312.560



Tritanomaly
63, 60.434, 357.602

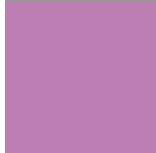
Monochromacy



Original Color
64, 88.169, 333.425



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 37.203, 330.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 88.169, 333.425 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(254, 83, 227)` looks like.

```
.text, #text, p{  
    color:rgb(254, 83, 227)  
}
```

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(254, 83, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 83, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 88.169, 333.425 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(254, 83, 227) }
```

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

```
.border{ border-color:rgb(254, 83, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 83, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 83, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 83, 227);  
box-shadow:4px 4px 4px 4px rgb(254, 83,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 88.169, 333.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 83, 227) }
```

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

```
.background{ background-color: rgb(254, 83,  
227) }
```

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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