

Converting Colors

CIELCh(64, 88.488, 320.991)

Have a look what the booklet for
CIELCh(64, 88.488, 320.991)
contains.

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Color

CIELCh(64, 88.017, 321.087)

Conversions

Conversions Part 1

Format	Color
Hex	E067FF
RGB	224, 103, 255
RGB Percent	88%, 40%, 100%
CMY	0.1212, 0.5958, 0.0000
CMYK	0.12, 0.60, 0.00, 0.00
HSL	288°, 100%, 70%
HSV	288°, 60%, 100%
XYZ	53.6868, 32.8017, 98.1777
YIQ	156.5070, 23.3240, 72.9240

Conversions

Conversions Part 2

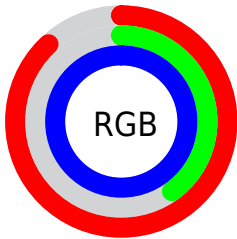
Format	Color
RYB	224, 103, 255
Decimal	14706687
CIELab	64.00, 68.49, -55.29
CIELCh	64, 88.017, 321.087
Yxy	32.8017, 0.2907, 0.1776
Android (android.graphics.Color)	4292896767 (0xFFE067FF)
YUV	156.5070, 48.5570, 59.1914
Hunter-Lab	57.2727, 67.0966, -61.5448

Details

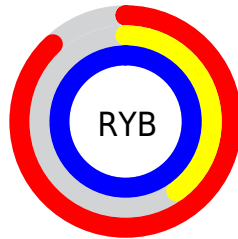
The CIELCh color $64, 88.017, 321.087$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 86.220, 135.140$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 59.138, 326.457$, and $44, 87.822, 321.105$ is the 20% darker color. If you saturate the color by 10%, you get $60, 99.606, 321.247$, and if you desaturate by 10%, it is $69, 74.555, 320.819$.

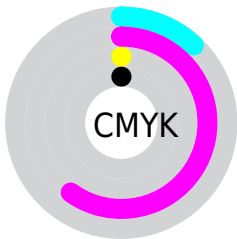
Distribution



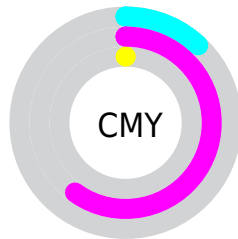
- Red (88%)
- Green (40%)
- Blue (100%)



- Red (88%)
- Yellow (40%)
- Blue (100%)



- Cyan (12%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 88.017, 321.087 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, 88.017, 321.087 by changing the saturation by 10% instead.

 64, 88.017,
321.087

 64, 88.017,
321.087


 100, 88.017,
321.087


 54, 88.017,
321.087


 84, 88.017,
321.087

 44, 88.017,
321.087

 94, 88.017,
321.087

 34, 88.017,
321.087

 24, 88.017,
321.087

 14, 88.017,
321.087

 4, 88.017, 321.087

 0, 88.017, 321.087

64, 88.017,
321.087

64, 88.017,
321.087

60, 99.606,
321.247

69, 74.555,
320.819

56, 108.714,
321.212

75, 60.010,
320.449

53, 114.748,
320.952

81, 44.889,
320.025

52, 117.796,
320.463

87, 29.584,
319.575

52, 117.900,
320.441

94, 14.359,
319.114

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, 88.017, 321.087



91, 86.220, 135.140

Rectangle

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



64, 88.017, 321.087



64, 88.017, 11.087



64, 88.017, 141.087



64, 88.017, 191.087

Sweetspot

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



64, 87.979, 321.100



88, 27.175, 319.503



60, 67.107, 290.485



45, 18.919, 319.636



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, 87.979, 321.100



59, 101.073, 321.255



66, 74.484, 338.392



50, 8.525, 319.111



39, 94.912, 320.565



10, 43.512, 321.431

Inverse Universe

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



64, 61.707, 12.518



59, 72.686, 16.288



90, 74.826, 147.505



50, 5.436, 3.819



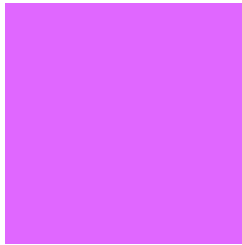
40, 74.773, 29.332



10, 31.963, 18.558

Previews

White Background



This preview shows how the CIELCh color 64, 88.017, 321.087 looks on a white background.

Color Contrast Check

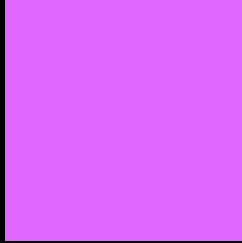
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 88.017, 321.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

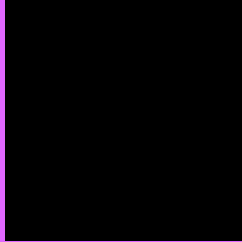
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 88.017, 321.087

Background



This preview shows how black text looks on a background with the CIELCh color 64, 88.017, 321.087.

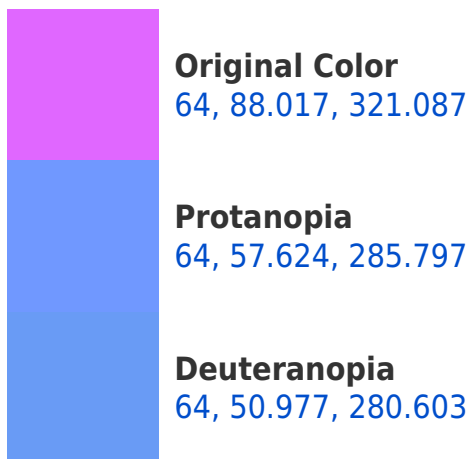


This preview shows how white text looks on a background with the CIELCh color 64, 88.017, 321.087.

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, 30.787, 12.565

Trichromacy



Original Color
64, 88.017, 321.087



Protanomaly
63, 67.880, 301.279



Deuteranomaly
62, 63.389, 299.543



Tritanomaly
63, 46.632, 338.878

Monochromacy



Original Color
64, 88.017, 321.087



Achromatopsia
65, 0.008, 296.813



Achromatomaly
63, 35.029, 319.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 88.017, 321.087 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(224, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 103, 255)  
}
```

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(224, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 103, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 88.017, 321.087 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(224, 103, 255) }
```

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

```
.border{ border-color:rgb(224, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 103,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 88.017, 321.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 103, 255) }
```

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

```
.background{ background-color: rgb(224,  
103, 255) }
```

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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