

Converting Colors

CIELCh(67, 81.812, 321.232)

Have a look what the booklet for
CIELCh(67, 81.812, 321.232)
contains.

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Color

CIELCh(67, 80.975, 321.429)

Conversions

Conversions Part 1

Format	Color
Hex	E575FF
RGB	229, 117, 255
RGB Percent	90%, 46%, 100%
CMY	0.1017, 0.5409, 0.0000
CMYK	0.10, 0.54, 0.00, 0.00
HSL	289°, 100%, 73%
HSV	289°, 54%, 100%
XYZ	56.7655, 36.6320, 98.7459
YIQ	166.2200, 22.4540, 66.6620

Conversions

Conversions Part 2

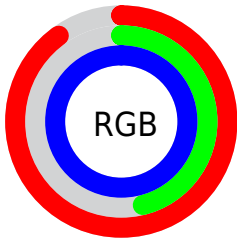
Format	Color
R _Y B	229, 117, 255
Decimal	15037951
CIE Lab	67.00, 63.31, -50.49
CIE LCh	67, 80.975, 321.429
Yxy	36.6320, 0.2954, 0.1906
Android (android.graphics.Color)	4293228031 (0xFFE575FF)
YUV	166.2200, 43.7685, 55.0581
Hunter-Lab	60.5244, 61.4967, -54.3650

Details

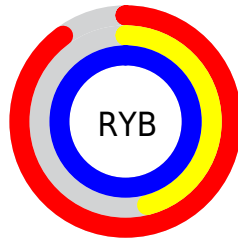
The CIELCh color $67, 80.975, 321.429$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 79.526, 135.873$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 51.272, 326.194$, and $47, 81.106, 321.439$ is the 20% darker color. If you saturate the color by 10%, you get $62, 93.577, 321.672$, and if you desaturate by 10%, it is $72, 66.855, 321.104$.

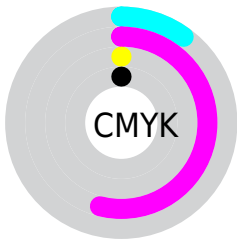
Distribution



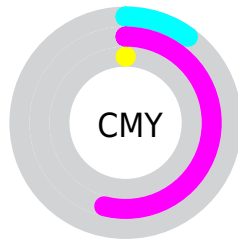
- Red (90%)
- Green (46%)
- Blue (100%)



- Red (90%)
- Yellow (46%)
- Blue (100%)



- Cyan (10%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 80.975, 321.429 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 67, 80.975, 321.429 by changing the saturation by 10% instead.

 67, 80.975,
321.429


 67, 80.975,
321.429


 100, 80.975,
321.429


 57, 80.975,
321.429


 87, 80.975,
321.429

 47, 80.975,
321.429

 97, 80.975,
321.429

 37, 80.975,
321.429

 27, 80.975,
321.429

 17, 80.975,
321.429

 7, 80.975, 321.429

 0, 80.975, 321.429

67, 80.975,
321.429

67, 80.975,
321.429

62, 93.577,
321.672

72, 66.855,
321.104

58, 104.054,
321.751

78, 51.932,
320.699

55, 111.712,
321.634

84, 36.638,
320.255

53, 116.188,
321.289

91, 21.300,
319.794

52, 117.628,
320.997

97, 6.132, 319.311

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.



67, 80.975, 321.429



91, 79.526, 135.873

Rectangle

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



67, 80.975, 321.429



67, 80.975, 11.429



67, 80.975, 141.429



67, 80.975, 191.429

Sweetspot

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



67, 80.941, 321.442



90, 24.222, 319.882



63, 61.706, 289.921



46, 16.376, 319.978



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 80.941, 321.442



62, 94.631, 321.686



69, 68.085, 338.640



50, 8.563, 319.579



39, 94.699, 321.112



10, 43.433, 321.923

Inverse Universe

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



67, 56.063, 12.232



61, 67.252, 15.392



91, 67.800, 148.921



50, 5.407, 4.997



40, 75.542, 30.482



10, 32.055, 19.324

Previews

White Background



This preview shows how the CIELCh color 67, 80.975, 321.429 looks on a white background.

Color Contrast Check

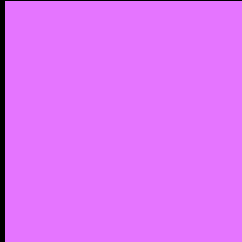
Large Text (above 18pt) WCAG AA × Fail

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 67, 80.975, 321.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

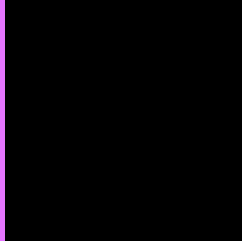
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 80.975, 321.429

Background



This preview shows how black text looks on a background with the CIELCh color 67, 80.975, 321.429.



This preview shows how white text looks on a background with the CIELCh color 67, 80.975, 321.429.

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



Original Color
67, 80.975, 321.429

Protanopia
67, 52.706, 285.611

Deuteranopia
67, 46.987, 281.539



Tritanopia
67, 29.274, 10.707

Trichromacy



Original Color
67, 80.975, 321.429



Protanomaly
66, 61.868, 301.431



Deuteranomaly
66, 57.929, 300.394

Tritanomaly
67, 43.780, 338.919

Monochromacy



Original Color
67, 80.975, 321.429



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 31.348, 320.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 80.975, 321.429 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(229, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 117, 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(229, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 117, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 80.975, 321.429 is called "border". The border property can be set on classes, ids or directly on the HTML element.

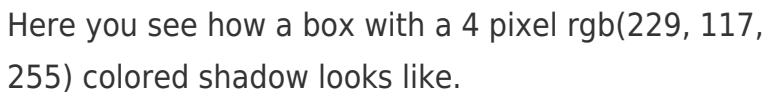
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 117, 255) }
```

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

```
.border{ border-color:rgb(229, 117, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(229, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 117, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 117, 255); box-shadow:4px 4px 4px 4px rgb(229, 117, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 80.975, 321.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 117, 255) }
```

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

```
.background{ background-color: rgb(229,  
117, 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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