

Converting Colors

CIELCh(67, 78.441, 320.533)

Have a look what the booklet for
CIELCh(67, 78.441, 320.533)
contains.

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Color

CIELCh(67, 78.601, 320.519)

Conversions

Conversions Part 1

Format	Color
Hex	E178FE
RGB	225, 120, 254
RGB Percent	88%, 47%, 100%
CMY	0.1173, 0.5291, 0.0036
CMYK	0.11, 0.53, 0.00, 0.00
HSL	287°, 99%, 73%
HSV	287°, 53%, 100%
XYZ	55.7036, 36.6320, 97.9671
YIQ	166.6710, 19.5660, 63.9340

Conversions

Conversions Part 2

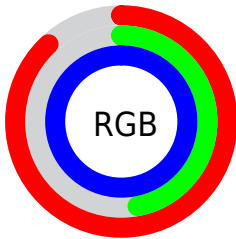
Format	Color
R _Y B	225, 120, 254
Decimal	14776574
CIE _{Lab}	67.00, 60.67, -49.98
CIE _{LCh}	67, 78.601, 320.519
Yxy	36.6320, 0.2927, 0.1925
Android (android.graphics.Color)	4292966654 (0xFFE178FE)
YUV	166.6710, 43.0532, 51.1545
Hunter-Lab	60.5244, 58.3649, -53.6020

Details

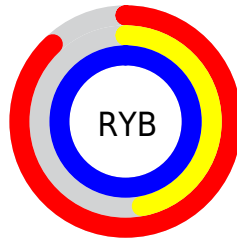
The CIELCh color $67, 78.601, 320.519$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 76.856, 135.261$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 49.432, 326.132$, and $47, 78.724, 320.470$ is the 20% darker color. If you saturate the color by 10%, you get $62, 91.548, 320.761$, and if you desaturate by 10%, it is $73, 64.363, 320.174$.

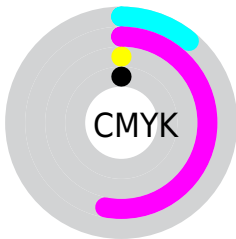
Distribution



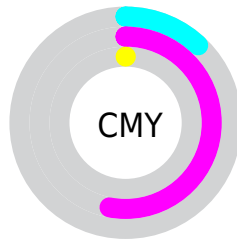
- Red (88%)
- Green (47%)
- Blue (100%)



- Red (88%)
- Yellow (47%)
- Blue (100%)



- Cyan (11%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (53%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 78.601, 320.519 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, 78.601, 320.519 by changing the saturation by 10% instead.

 67, 78.601,
320.519


 67, 78.601,
320.519

 100, 78.601,
320.519


 57, 78.601,
320.519


 87, 78.601,
320.519

 47, 78.601,
320.519

 97, 78.601,
320.519

 37, 78.601,
320.519

 27, 78.601,
320.519

 17, 78.601,
320.519

 7, 78.601, 320.519

 0, 78.601, 320.519

67, 78.601,
320.519

67, 78.601,
320.519

62, 91.548,
320.761

73, 64.363,
320.174

58, 102.504,
320.851

79, 49.426,
319.765

54, 110.759,
320.739

85, 34.218,
319.323

52, 115.845,
320.383

91, 19.034,
318.868

51, 117.813,
319.987

98, 4.060, 318.379

100, 0.455,
109.974

Harmonies

Complementary

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



67, 78.601, 320.519



91, 76.856, 135.261

Rectangle

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



67, 78.601, 320.519



67, 78.601, 10.519



67, 78.601, 140.519



67, 78.601, 190.519

Sweetspot

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



67, 78.599, 320.519



89, 24.039, 319.017



64, 58.554, 288.668



46, 16.255, 319.111



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, 78.599, 320.519



62, 92.128, 320.765



69, 67.153, 337.722



50, 8.495, 318.720



38, 95.097, 320.115



9, 43.581, 321.027

Inverse Universe

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



67, 54.465, 9.720



62, 65.045, 12.537



91, 66.945, 148.495



50, 5.462, 2.850



40, 74.151, 28.342



10, 31.888, 17.887

Previews

White Background



This preview shows how the CIELCh color 67, 78.601, 320.519 looks on a white background.

Color Contrast Check

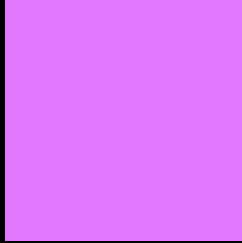
Large Text (above 18pt) WCAG AA × Fail

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, 78.601, 320.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

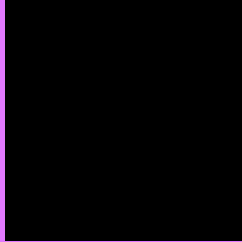
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 78.601, 320.519

Background



This preview shows how black text looks on a background with the CIELCh color 67, 78.601, 320.519.

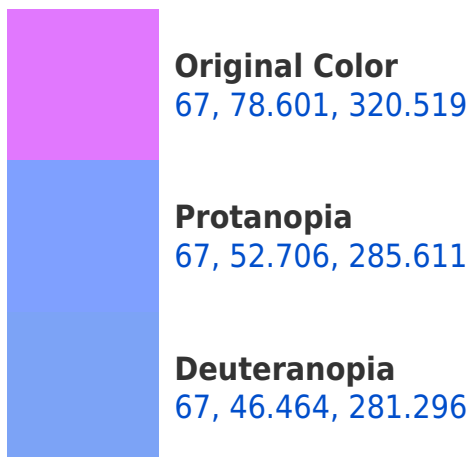



This preview shows how white text looks on a background with the CIELCh color 67, 78.601, 320.519.

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
67, 26.832, 9.305

Trichromacy



Original Color
67, 78.601, 320.519



Protanomaly
66, 61.239, 300.891



Deuteranomaly
66, 56.762, 299.810

Tritanomaly
67, 41.961, 337.038

Monochromacy



Original Color
67, 78.601, 320.519



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 30.350, 319.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 78.601, 320.519 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(225, 120, 254)` looks like.

```
.text, #text, p{  
    color:rgb(225, 120, 254)  
}
```

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(225, 120, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 120, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 78.601, 320.519 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(225, 120, 254) }
```

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

```
.border{ border-color:rgb(225, 120, 254) }
```

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

Here you see how a box with a 4 pixel rgb(225, 120, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 120, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 120, 254);  
box-shadow:4px 4px 4px 4px rgb(225, 120,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 78.601, 320.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 120, 254) }
```

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

```
.background{ background-color: rgb(225,  
120, 254) }
```

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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