

Converting Colors

CIELCh(66, 83.908, 322.684)

Have a look what the booklet for
CIELCh(66, 83.908, 322.684)
contains.

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Color

CIELCh(66, 83.958, 322.571)

Conversions

Conversions Part 1

Format	Color
Hex	E76EFD
RGB	231, 110, 253
RGB Percent	91%, 43%, 99%
CMY	0.0933, 0.5678, 0.0070
CMYK	0.09, 0.56, 0.00, 0.01
HSL	291°, 98%, 71%
HSV	291°, 56%, 99%
XYZ	56.3830, 35.3238, 96.9468
YIQ	162.4810, 26.2130, 70.1250

Conversions

Conversions Part 2

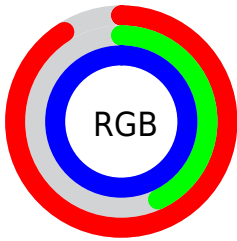
Format	Color
R _Y B	231, 110, 253
Decimal	15167229
CIE Lab	66.00, 66.67, -51.03
CIE LCh	66, 83.958, 322.571
Yxy	35.3238, 0.2989, 0.1872
Android (android.graphics.Color)	4293357309 (0xFFE76EFD)
YUV	162.4810, 44.6259, 60.0912
Hunter-Lab	59.4338, 65.3281, -55.1085

Details

The CIELCh color $66, 83.958, 322.571$ is a light color, and the websafe version is hex FF66FF . A complement of this color would be $90, 82.986, 136.500$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 54.926, 326.317$, and $46, 84.015, 322.430$ is the 20% darker color. If you saturate the color by 10%, you get $62, 95.916, 322.785$, and if you desaturate by 10%, it is $71, 70.312, 322.246$.

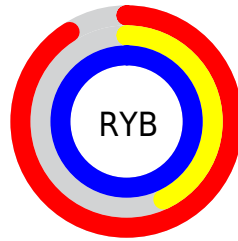
Distribution



Red (91%)

Green (43%)

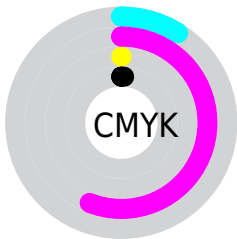
Blue (99%)



Red (91%)

Yellow (43%)

Blue (99%)

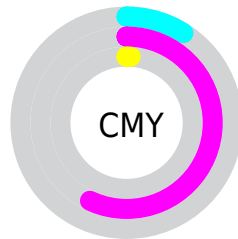


Cyan (9%)

Magenta (56%)

Yellow (0%)

Black (1%)



Cyan (9%)


Magenta (57%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 83.958, 322.571 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 66, 83.958, 322.571 by changing the saturation by 10% instead.


 66, 83.958,
322.571


 66, 83.958,
322.571


 100, 83.958,
322.571


 56, 83.958,
322.571


 86, 83.958,
322.571

 46, 83.958,
322.571

 96, 83.958,
322.571

 36, 83.958,
322.571

 26, 83.958,
322.571

 16, 83.958,
322.571

 6, 83.958, 322.571

 0, 83.958, 322.571

66, 83.958,
322.571

66, 83.958,
322.571

62, 95.916,
322.785

71, 70.312,
322.246

58, 105.504,
322.848

77, 55.626,
321.845

55, 112.155,
322.725

83, 40.411,
321.399

54, 115.681,
322.396

89, 25.041,
320.931

53, 116.454,
322.249

95, 9.770, 320.447

100, 0.912,
119.328

100, 0.898,
110.025

Harmonies

Complementary

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



66, 83.958, 322.571



90, 82.986, 136.500

Rectangle

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



66, 83.958, 322.571



66, 83.958, 12.571



66, 83.958, 142.571



66, 83.958, 192.571

Sweetspot

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



66, 83.956, 322.571



89, 25.994, 320.956



59, 67.172, 292.222



46, 17.406, 321.051



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 83.956, 322.571



61, 98.096, 322.806



67, 68.731, 340.544



50, 8.647, 320.597



40, 94.270, 322.345



10, 43.273, 323.024

Inverse Universe

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



65, 58.458, 15.468



60, 70.765, 19.065



90, 68.227, 149.855



50, 5.352, 7.635



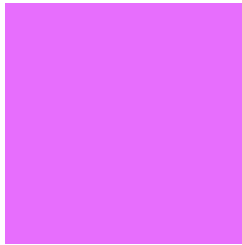
40, 77.283, 32.834



10, 32.257, 20.857

Previews

White Background



This preview shows how the CIELCh color 66, 83.958, 322.571 looks on a white background.

Color Contrast Check

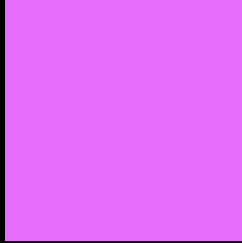
Large Text (above 18pt) WCAG AA × Fail

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 66, 83.958, 322.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

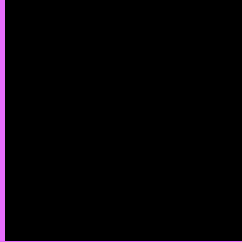
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 83.958, 322.571

Background



This preview shows how black text looks on a background with the CIELCh color 66, 83.958, 322.571.

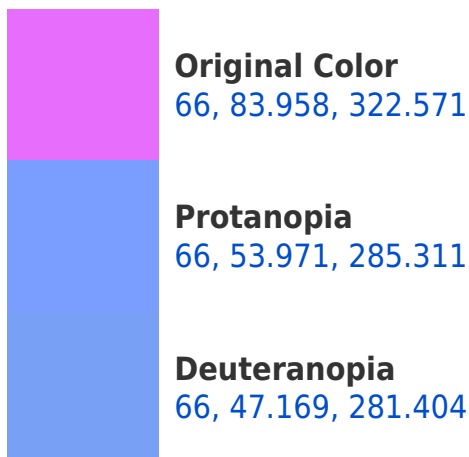


This preview shows how white text looks on a background with the CIELCh color 66, 83.958, 322.571.

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
66, 32.243, 13.180

Trichromacy



Original Color
66, 83.958, 322.571



Protanomaly
65, 63.146, 301.717



Deuteranomaly
65, 58.746, 301.033



Tritanomaly
65, 46.232, 341.485

Monochromacy



Original Color
66, 83.958, 322.571



Achromatopsia
67, 0.008, 296.813



Achromatomaly
65, 32.889, 321.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 83.958, 322.571 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(231, 110, 253)` looks like.

```
.text, #text, p{  
    color:rgb(231, 110, 253)  
}
```

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(231, 110, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 110, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 83.958, 322.571 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(231, 110, 253) }
```

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

```
.border{ border-color:rgb(231, 110, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 110, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 110, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 110, 253);  
box-shadow:4px 4px 4px 4px rgb(231, 110,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 83.958, 322.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 110, 253) }
```

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

```
.background{ background-color: rgb(231,  
110, 253) }
```

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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