

Converting Colors

CIELCh(67, 102.042, 316.054)

Have a look what the booklet for
CIELCh(67, 102.042, 316.054)
contains.

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Color

CIELCh(65, 84.925, 320.771)

Conversions

Conversions Part 1

Format	Color
Hex	E06DFF
RGB	224, 109, 255
RGB Percent	88%, 43%, 100%
CMY	0.1212, 0.5722, 0.0000
CMYK	0.12, 0.57, 0.00, 0.00
HSL	287°, 100%, 71%
HSV	287°, 57%, 100%
XYZ	54.3164, 34.0472, 98.3998
YIQ	160.0290, 21.6740, 69.7860

Conversions

Conversions Part 2

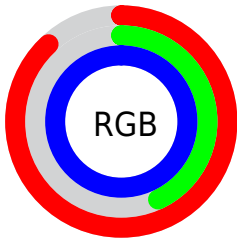
Format	Color
R _Y B	224, 109, 255
Decimal	14708223
CIE _{Lab}	65.00, 65.78, -53.71
CIE _{LCh}	65, 84.925, 320.771
Yxy	34.0472, 0.2908, 0.1823
Android (android.graphics.Color)	4292898303 (0xFFE06DFF)
YUV	160.0290, 46.8207, 56.1026
Hunter-Lab	58.3500, 64.0483, -59.1400

Details

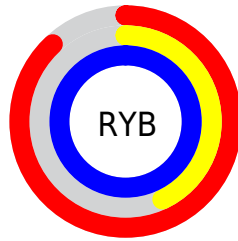
The CIELCh color $65, 84.925, 320.771$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 83.040, 135.089$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 56.135, 326.357$, and $45, 85.295, 320.810$ is the 20% darker color. If you saturate the color by 10%, you get $60, 97.037, 320.968$, and if you desaturate by 10%, it is $70, 71.111, 320.483$.

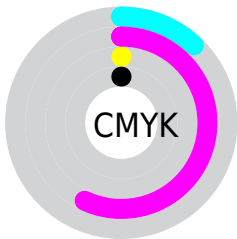
Distribution



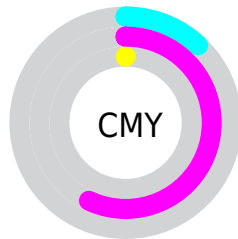
- Red (88%)
- Green (43%)
- Blue (100%)



- Red (88%)
- Yellow (43%)
- Blue (100%)



- Cyan (12%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (57%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 84.925, 320.771 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 65, 84.925, 320.771 by changing the saturation by 10% instead.


 65, 84.925,
320.771


 65, 84.925,
320.771


 100, 84.925,
320.771


 55, 84.925,
320.771


 85, 84.925,
320.771

 45, 84.925,
320.771

 95, 84.925,
320.771

 35, 84.925,
320.771

 25, 84.925,
320.771

 15, 84.925,
320.771

 5, 84.925, 320.771

 0, 84.925, 320.771

65, 84.925,
320.771

65, 84.925,
320.771

60, 97.037,
320.968

70, 71.111,
320.483

57, 106.857,
320.976

76, 56.385,
320.098

54, 113.707,
320.763

82, 41.203,
319.667

52, 117.360,
320.301

89, 25.921,
319.215

51, 118.051,
320.149

95, 10.774,
318.753

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.



65, 84.925, 320.771



91, 83.040, 135.089

Rectangle

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



65, 84.925, 320.771



65, 84.925, 10.771



65, 84.925, 140.771



65, 84.925, 190.771

Sweetspot

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



65, 84.879, 320.787



89, 25.592, 319.205



61, 64.193, 289.842



46, 17.142, 319.297



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 84.879, 320.787



60, 98.981, 320.984



67, 72.116, 338.155



50, 8.506, 318.861



38, 95.030, 320.276



9, 43.556, 321.172

Inverse Universe

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



65, 59.274, 11.223



60, 70.753, 14.901



90, 72.225, 147.856



50, 5.452, 3.197



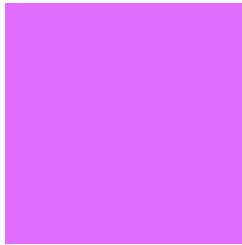
40, 74.373, 28.702



10, 31.915, 18.132

Previews

White Background



This preview shows how the CIELCh color 65, 84.925, 320.771 looks on a white background.

Color Contrast Check

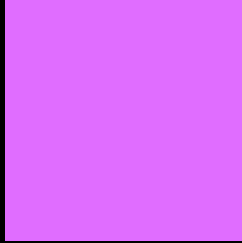
Large Text (above 18pt) WCAG AA × Fail

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 65, 84.925, 320.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

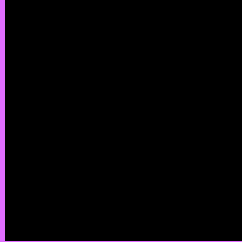
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 84.925, 320.771

Background



This preview shows how black text looks on a background with the CIELCh color 65, 84.925, 320.771.

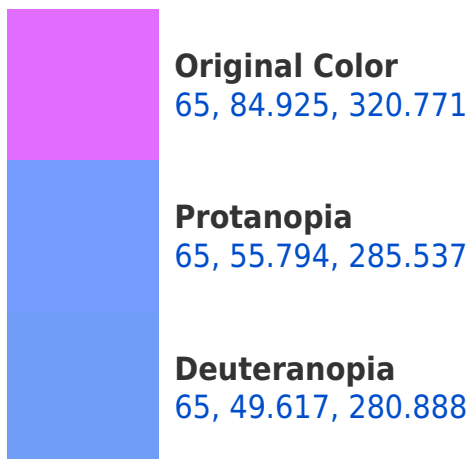


This preview shows how white text looks on a background with the CIELCh color 65, 84.925, 320.771.

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
65, 29.024, 11.685

Trichromacy



Original Color
65, 84.925, 320.771



Protanomaly
64, 65.449, 300.973



Deuteranomaly
64, 60.966, 299.675

Tritanomaly
64, 45.250, 337.812

Monochromacy



Original Color
65, 84.925, 320.771



Achromatopsia
66, 0.008, 296.813



Achromatomaly
64, 33.637, 319.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 84.925, 320.771 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, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 109, 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, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 109, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 84.925, 320.771 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, 109, 255) }
```

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

```
.border{ border-color:rgb(224, 109, 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, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 109, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 109, 255); box-shadow:4px 4px 4px 4px rgb(224, 109, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 84.925, 320.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 109, 255) }
```

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

```
.background{ background-color: rgb(224,  
109, 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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