

Converting Colors

CIELCh(65, 84.238, 320.067)

Have a look what the booklet for
CIELCh(65, 84.238, 320.067)
contains.

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Color

CIELCh(65, 83.754, 320.227)

Conversions

Conversions Part 1

Format	Color
Hex	DE6FFF
RGB	222, 111, 255
RGB Percent	87%, 44%, 100%
CMY	0.1301, 0.5653, 0.0006
CMYK	0.13, 0.57, 0.00, 0.00
HSL	286°, 100%, 72%
HSV	286°, 57%, 100%
XYZ	53.7634, 34.0472, 98.2060
YIQ	160.6050, 19.9320, 68.3160

Conversions

Conversions Part 2

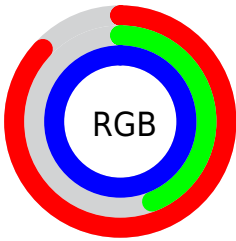
Format	Color
R _Y B	222, 111, 255
Decimal	14577663
CIE Lab	65.00, 64.37, -53.58
CIE LCh	65, 83.754, 320.227
Yxy	34.0472, 0.2890, 0.1830
Android (android.graphics.Color)	4292767743 (0xFFDE6FFF)
YUV	160.6050, 46.5367, 53.8434
Hunter-Lab	58.3500, 62.3566, -58.9432

Details

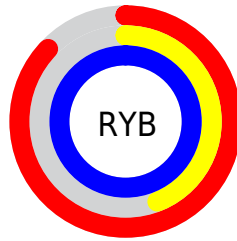
The CIELCh color $65, 83.754, 320.227$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 81.667, 134.702$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 54.926, 326.317$, and $45, 84.083, 320.232$ is the 20% darker color. If you saturate the color by 10%, you get $60, 96.129, 320.416$, and if you desaturate by 10%, it is $70, 69.859, 319.916$.

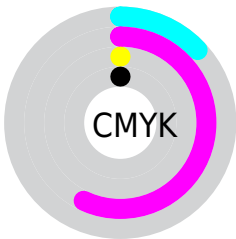
Distribution



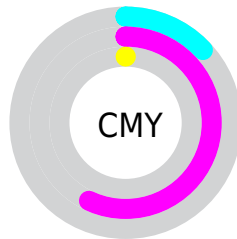
- Red (87%)
- Green (44%)
- Blue (100%)



- Red (87%)
- Yellow (44%)
- Blue (100%)



- Cyan (13%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (57%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 83.754, 320.227 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, 83.754, 320.227 by changing the saturation by 10% instead.


 65, 83.754,
320.227


 65, 83.754,
320.227


 100, 83.754,
320.227


 55, 83.754,
320.227


 85, 83.754,
320.227

 45, 83.754,
320.227

 95, 83.754,
320.227

 35, 83.754,
320.227

 25, 83.754,
320.227

 15, 83.754,
320.227

 5, 83.754, 320.227

 0, 83.754, 320.227

65, 83.754,
320.227

65, 83.754,
320.227

60, 96.129,
320.416

70, 69.859,
319.916

56, 106.255,
320.430

76, 55.089,
319.528

53, 113.457,
320.218

83, 39.926,
319.096

51, 117.423,
319.743

89, 24.706,
318.647

51, 118.322,
319.539

96, 9.649, 318.188

100, 0.072,
109.102

Harmonies

Complementary

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



65, 83.754, 320.227



91, 81.667, 134.702

Rectangle

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



65, 83.754, 320.227



65, 83.754, 10.227



65, 83.754, 140.227



65, 83.754, 190.227

Sweetspot

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



65, 83.752, 320.227



89, 25.476, 318.670



62, 61.881, 288.718



46, 17.065, 318.760



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, 83.752, 320.227



60, 97.859, 320.430



68, 72.117, 337.305



50, 8.465, 318.328



38, 95.288, 319.675



9, 43.652, 320.630

Inverse Universe

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



65, 58.504, 9.690



60, 69.655, 13.169



90, 72.318, 147.363



50, 5.489, 1.898



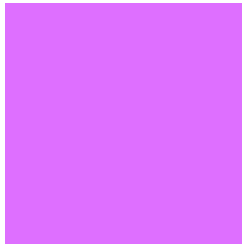
40, 73.552, 27.329



10, 31.815, 17.190

Previews

White Background



This preview shows how the CIELCh color 65, 83.754, 320.227 looks on a white background.

Color Contrast Check

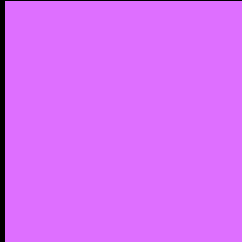
Large Text (above 18pt) WCAG AA × Fail

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, 83.754, 320.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

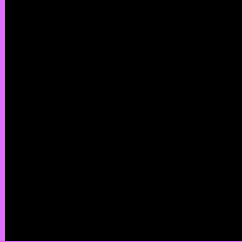
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 83.754, 320.227

Background



This preview shows how black text looks on a background with the CIELCh color 65, 83.754, 320.227.



This preview shows how white text looks on a background with the CIELCh color 65, 83.754, 320.227.

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

65, 83.754, 320.227

Protanopia

65, 55.794, 285.537

Deuteranopia

65, 49.662, 280.635



Tritanopia
65, 27.784, 11.034

Trichromacy



Original Color
65, 83.754, 320.227



Protanomaly
64, 64.826, 300.465



Deuteranomaly
64, 60.337, 298.848

Tritanomaly
64, 43.576, 337.268

Monochromacy



Original Color
65, 83.754, 320.227



Achromatopsia
66, 0.008, 296.813



Achromatomaly
64, 32.346, 319.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 83.754, 320.227 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(222, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 111, 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(222, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 111, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 83.754, 320.227 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(222, 111, 255) }
```

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

```
.border{ border-color:rgb(222, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 111,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 83.754, 320.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 111, 255) }
```

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

```
.background{ background-color: rgb(222,  
111, 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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