

Converting Colors

CIELCh(65, 84.078, 320.497)

Have a look what the booklet for
CIELCh(65, 84.078, 320.497)
contains.

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Color

CIELCh(65, 84.342, 320.501)

Conversions

Conversions Part 1

Format	Color
Hex	DF6EFF
RGB	223, 110, 255
RGB Percent	87%, 43%, 100%
CMY	0.1256, 0.5687, 0.0001
CMYK	0.13, 0.57, 0.00, 0.00
HSL	287°, 100%, 72%
HSV	287°, 57%, 100%
XYZ	54.0405, 34.0472, 98.3060
YIQ	160.3170, 20.8030, 69.0510

Conversions

Conversions Part 2

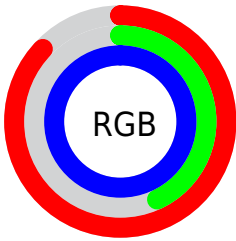
Format	Color
R _Y B	223, 110, 255
Decimal	14642943
CIE Lab	65.00, 65.08, -53.65
CIE LCh	65, 84.342, 320.501
Yxy	34.0472, 0.2899, 0.1827
Android (android.graphics.Color)	4292833023 (0xFFDF6EFF)
YUV	160.3170, 46.6787, 54.9730
Hunter-Lab	58.3500, 63.2043, -59.0448

Details

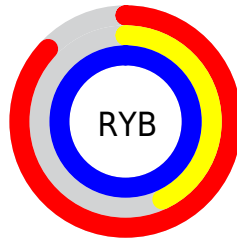
The CIELCh color $65, 84.342, 320.501$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 82.373, 134.892$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 55.531, 326.337$, and $45, 84.494, 320.499$ is the 20% darker color. If you saturate the color by 10%, you get $60, 96.610, 320.686$, and if you desaturate by 10%, it is $70, 70.507, 320.194$.

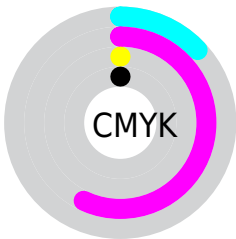
Distribution



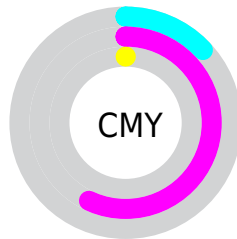
- Red (87%)
- Green (43%)
- Blue (100%)



- Red (87%)
- Yellow (43%)
- 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, 84.342, 320.501 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, 84.342, 320.501 by changing the saturation by 10% instead.


 65, 84.342,
320.501


 65, 84.342,
320.501


 100, 84.342,
320.501


 55, 84.342,
320.501


 85, 84.342,
320.501

 45, 84.342,
320.501

 95, 84.342,
320.501

 35, 84.342,
320.501

 25, 84.342,
320.501

 15, 84.342,
320.501

 5, 84.342, 320.501

 0, 84.342, 320.501

65, 84.342,
320.501

65, 84.342,
320.501

60, 96.610,
320.686

70, 70.507,
320.194

56, 106.584,
320.696

76, 55.755,
319.807

53, 113.610,
320.482

82, 40.580,
319.376

52, 117.415,
320.013

89, 25.327,
318.926

51, 118.207,
319.835

95, 10.223,
318.466

100, 0.004, 87.739

Harmonies

Complementary

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



65, 84.342, 320.501



91, 82.373, 134.892

Rectangle

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



65, 84.342, 320.501



65, 84.342, 10.501



65, 84.342, 140.501



65, 84.342, 190.501

Sweetspot

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



65, 84.340, 320.501



89, 25.532, 318.932



62, 62.345, 288.817



46, 17.103, 319.023



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, 84.340, 320.501



60, 97.878, 320.696



68, 72.530, 337.340



50, 8.485, 318.589



38, 95.160, 319.967



9, 43.604, 320.894

Inverse Universe

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



65, 58.900, 10.442



60, 69.737, 13.843



90, 72.764, 147.310



50, 5.471, 2.530



40, 73.948, 28.006



10, 31.863, 17.657

Previews

White Background



This preview shows how the CIELCh color 65, 84.342, 320.501 looks on a white background.

Color Contrast Check

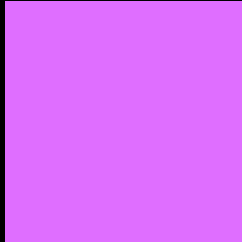
Large Text (above 18pt) WCAG AA × Fail

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, 84.342, 320.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

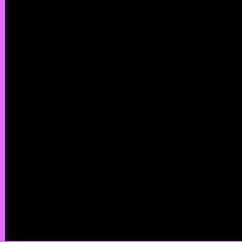
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 84.342, 320.501

Background



This preview shows how black text looks on a background with the CIELCh color 65, 84.342, 320.501.

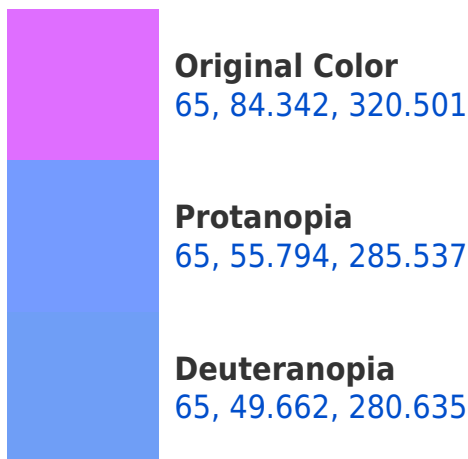


This preview shows how white text looks on a background with the CIELCh color 65, 84.342, 320.501.

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, 28.656, 10.389

Trichromacy



Original Color
65, 84.342, 320.501



Protanomaly
64, 64.835, 300.711



Deuteranomaly
64, 60.344, 299.114



Tritanomaly
64, 44.764, 337.018

Monochromacy



Original Color
65, 84.342, 320.501



Achromatopsia
66, 0.008, 296.813



Achromatomaly
64, 32.975, 319.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 84.342, 320.501 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(223, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 110, 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(223, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 110, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 84.342, 320.501 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(223, 110, 255) }
```

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

```
.border{ border-color:rgb(223, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 110,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 84.342, 320.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 110, 255) }
```

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

```
.background{ background-color: rgb(223,  
110, 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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