

Converting Colors

CIELCh(65, 86.345, 321.083)

Have a look what the booklet for
CIELCh(65, 86.345, 321.083)
contains.

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Color

CIELCh(65, 86.078, 321.300)

Conversions

Conversions Part 1

Format	Color
Hex	E26BFF
RGB	226, 107, 255
RGB Percent	89%, 42%, 100%
CMY	0.1124, 0.5791, 0.0000
CMYK	0.11, 0.58, 0.00, 0.00
HSL	288°, 100%, 71%
HSV	288°, 58%, 100%
XYZ	54.8652, 34.0472, 98.5697
YIQ	159.4530, 23.4160, 71.2560

Conversions

Conversions Part 2

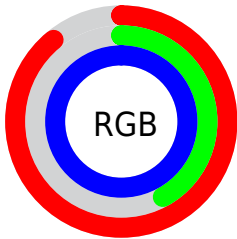
Format	Color
R _Y B	226, 107, 255
Decimal	14838783
CIE Lab	65.00, 67.18, -53.82
CIE LCh	65, 86.078, 321.300
Yxy	34.0472, 0.2926, 0.1816
Android (android.graphics.Color)	4293028863 (0xFFE26BFF)
YUV	159.4530, 47.1047, 58.3617
Hunter-Lab	58.3500, 65.7273, -59.3127

Details

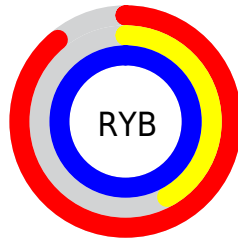
The CIELCh color $65, 86.078, 321.300$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 84.352, 135.469$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 57.340, 326.397$, and $45, 86.441, 321.155$ is the 20% darker color. If you saturate the color by 10%, you get $60, 97.856, 321.531$, and if you desaturate by 10%, it is $70, 72.301, 321.055$.

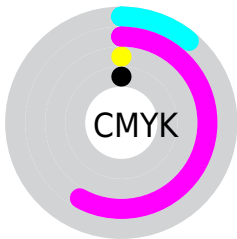
Distribution



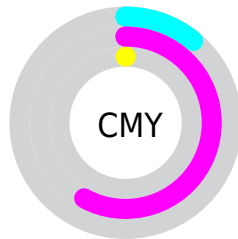
- Red (89%)
- Green (42%)
- Blue (100%)



- Red (89%)
- Yellow (42%)
- Blue (100%)



- Cyan (11%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (58%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 86.078, 321.300 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, 86.078, 321.300 by changing the saturation by 10% instead.


 65, 86.078,
321.300


 65, 86.078,
321.300


 100, 86.078,
321.300


 55, 86.078,
321.300


 85, 86.078,
321.300

 45, 86.078,
321.300

 95, 86.078,
321.300

 35, 86.078,
321.300

 25, 86.078,
321.300

 15, 86.078,
321.300

 5, 86.078, 321.300

 0, 86.078, 321.300

65, 86.078,
321.300

65, 86.078,
321.300

60, 97.856,
321.531

70, 72.301,
321.055

57, 107.365,
321.536

76, 57.632,
320.672

54, 113.867,
321.327

82, 42.442,
320.241

52, 117.233,
320.884

88, 27.108,
319.787

52, 117.733,
320.778

95, 11.879,
319.321

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, 86.078, 321.300



91, 84.352, 135.469

Rectangle

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



65, 86.078, 321.300



65, 86.078, 11.300



65, 86.078, 141.300



65, 86.078, 191.300

Sweetspot

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



65, 85.929, 321.355



89, 25.712, 319.744



60, 66.509, 290.920



46, 17.221, 319.837



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, 85.929, 321.355



60, 99.021, 321.541



67, 72.052, 339.032



50, 8.548, 319.396



39, 94.781, 320.897



10, 43.463, 321.730

Inverse Universe

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



65, 60.047, 12.778



60, 71.004, 16.296



90, 72.048, 148.365



50, 5.418, 4.534



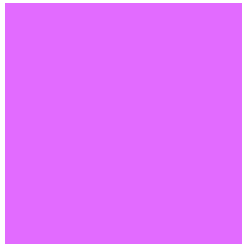
40, 75.239, 30.037



10, 32.019, 19.029

Previews

White Background



This preview shows how the CIELCh color 65, 86.078, 321.300 looks on a white background.

Color Contrast Check

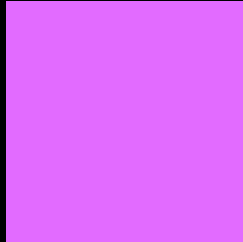
Large Text (above 18pt) WCAG AA × Fail

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, 86.078, 321.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

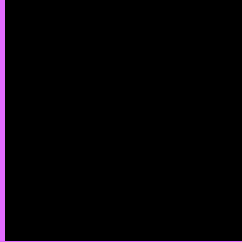
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 86.078, 321.300

Background



This preview shows how black text looks on a background with the CIELCh color 65, 86.078, 321.300.



This preview shows how white text looks on a background with the CIELCh color 65, 86.078, 321.300.

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, 86.078, 321.300

Protanopia
65, 55.794, 285.537

Deuteranopia
65, 49.617, 280.888



Tritanopia
65, 30.268, 12.299

Trichromacy



Original Color
65, 86.078, 321.300



Protanomaly
64, 65.459, 301.218



Deuteranomaly
64, 60.976, 299.941

Tritanomaly
64, 46.209, 339.348

Monochromacy



Original Color
65, 86.078, 321.300



Achromatopsia
66, 0.008, 296.813



Achromatomaly
64, 33.784, 319.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 86.078, 321.300 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(226, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 107, 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(226, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 107, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 86.078, 321.300 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(226, 107, 255) }
```

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

```
.border{ border-color:rgb(226, 107, 255) }
```

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

Here you see how a box with a 4 pixel rgb(226, 107, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 107,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 86.078, 321.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 107, 255) }
```

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

```
.background{ background-color: rgb(226,  
107, 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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