

Converting Colors

CIELCh(65, 87.382, 321.619)

Have a look what the booklet for
CIELCh(65, 87.382, 321.619)
contains.

CIELCh(65, 86.702, 321.769)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 86.702, 321.769)

Conversions

Conversions Part 1

Format	Color
Hex	E46AFF
RGB	228, 106, 255
RGB Percent	89%, 42%, 100%
CMY	0.1056, 0.5841, 0.0000
CMYK	0.11, 0.58, 0.00, 0.00
HSL	289°, 100%, 71%
HSV	289°, 58%, 100%
XYZ	55.2331, 34.0472, 98.3169
YIQ	159.4640, 24.8830, 72.2030

Conversions

Conversions Part 2

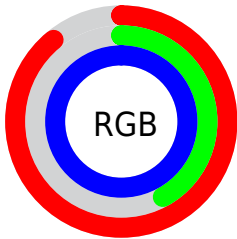
Format	Color
R _Y B	228, 106, 255
Decimal	14969599
CIE Lab	65.00, 68.11, -53.65
CIE LCh	65, 86.702, 321.769
Yxy	34.0472, 0.2944, 0.1815
Android (android.graphics.Color)	4293159679 (0xFFE46AFF)
YUV	159.4640, 47.0992, 60.1061
Hunter-Lab	58.3500, 66.8528, -59.0559

Details

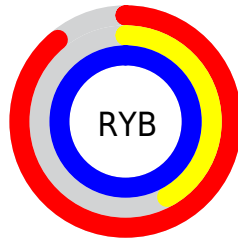
The CIELCh color $65, 86.702, 321.769$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 85.298, 135.744$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 57.340, 326.397$, and $45, 86.791, 321.619$ is the 20% darker color. If you saturate the color by 10%, you get $61, 98.429, 321.952$, and if you desaturate by 10%, it is $70, 73.153, 321.481$.

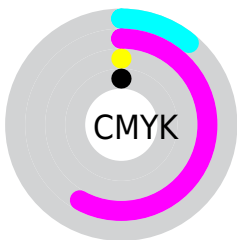
Distribution



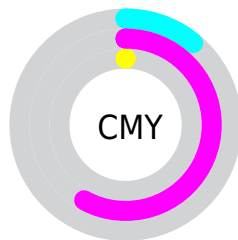
- Red (89%)
- Green (42%)
- Blue (100%)



- 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, 86.702, 321.769 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, 86.702, 321.769 by changing the saturation by 10% instead.


 65, 86.702,
321.769


 65, 86.702,
321.769


 100, 86.702,
321.769


 55, 86.702,
321.769


 85, 86.702,
321.769

 45, 86.702,
321.769

 95, 86.702,
321.769

 35, 86.702,
321.769

 25, 86.702,
321.769

 15, 86.702,
321.769

 5, 86.702, 321.769

 0, 86.702, 321.769

65, 86.702,
321.769

65, 86.702,
321.769

61, 98.429,
321.952

70, 73.153,
321.481

57, 107.711,
321.958

76, 58.528,
321.099

55, 113.963,
321.755

82, 43.336,
320.667

53, 117.137,
321.330

88, 27.964,
320.210

53, 117.508,
321.254

94, 12.676,
319.740

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, 86.702, 321.769



91, 85.298, 135.744

Rectangle

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



65, 86.702, 321.769



65, 86.702, 11.769



65, 86.702, 141.769



65, 86.702, 191.769

Sweetspot

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



65, 86.675, 321.779



88, 27.339, 320.191



59, 68.622, 291.906



45, 19.029, 320.325



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, 86.675, 321.779



60, 100.091, 321.966



67, 71.785, 339.915



50, 8.580, 319.793



39, 94.605, 321.366



10, 43.398, 322.150

Inverse Universe

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



64, 60.635, 13.933



60, 72.167, 17.695



90, 71.631, 148.918



50, 5.395, 5.542



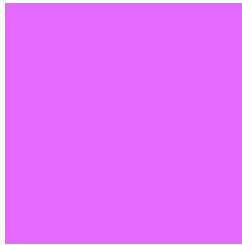
40, 75.901, 30.993



10, 32.097, 19.661

Previews

White Background



This preview shows how the CIELCh color 65, 86.702, 321.769 looks on a white background.

Color Contrast Check

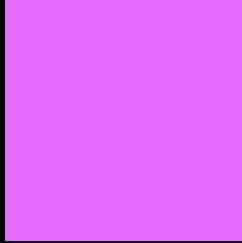
Large Text (above 18pt) WCAG AA × Fail

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, 86.702, 321.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

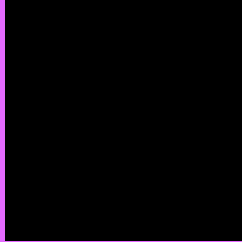
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 86.702, 321.769

Background



This preview shows how black text looks on a background with the CIELCh color 65, 86.702, 321.769.

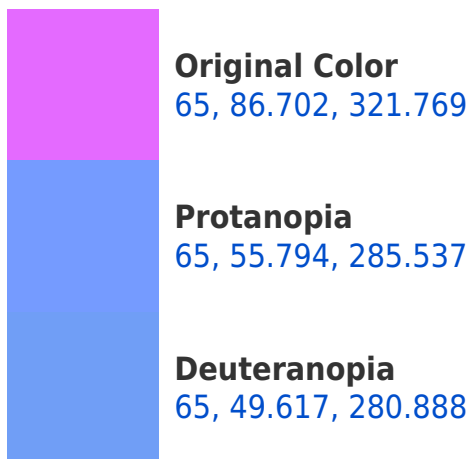


This preview shows how white text looks on a background with the CIELCh color 65, 86.702, 321.769.

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, 31.516, 12.880

Trichromacy



Original Color
65, 86.702, 321.769



Protanomaly
64, 66.074, 301.473



Deuteranomaly
63, 61.591, 300.227

Tritanomaly
64, 47.038, 339.584

Monochromacy



Original Color
65, 86.702, 321.769



Achromatopsia
66, 0.008, 296.813



Achromatomaly
64, 34.594, 320.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 86.702, 321.769 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(228, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 106, 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(228, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 106, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 86.702, 321.769 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(228, 106, 255) }
```

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

```
.border{ border-color:rgb(228, 106, 255) }
```

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

Here you see how a box with a 4 pixel rgb(228, 106, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 106,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 86.702, 321.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 106, 255) }
```

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

```
.background{ background-color: rgb(228,  
106, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor