

Converting Colors

CIELCh(65, 80.763, 318.980)

Have a look what the booklet for
CIELCh(65, 80.763, 318.980)
contains.

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Color

CIELCh(65, 80.847, 319.030)

Conversions

Conversions Part 1

Format	Color
Hex	D973FE
RGB	217, 115, 254
RGB Percent	85%, 45%, 100%
CMY	0.1501, 0.5500, 0.0050
CMYK	0.15, 0.55, 0.00, 0.01
HSL	284°, 98%, 72%
HSV	284°, 55%, 99%
XYZ	52.4756, 34.0472, 97.3350
YIQ	161.3440, 16.1730, 64.8530

Conversions

Conversions Part 2

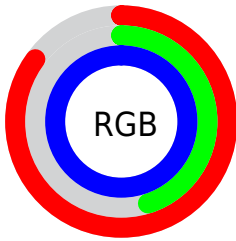
Format	Color
R _Y B	217, 115, 254
Decimal	14251006
CIE Lab	65.00, 61.04, -53.01
CIE LCh	65, 80.847, 319.030
Yxy	34.0472, 0.2854, 0.1852
Android (android.graphics.Color)	4292441086 (0xFFD973FE)
YUV	161.3440, 45.6794, 48.8103
Hunter-Lab	58.3500, 58.4171, -58.0582

Details

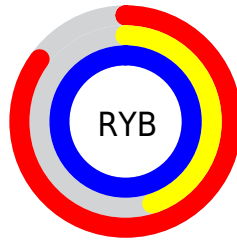
The CIELCh color `65, 80.847, 319.030` is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be `91, 78.293, 133.839`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `81, 52.494, 326.235`, and `45, 80.974, 318.940` is the 20% darker color. If you saturate the color by 10%, you get `60, 93.664, 319.245`, and if you desaturate by 10%, it is `71, 66.727, 318.700`.

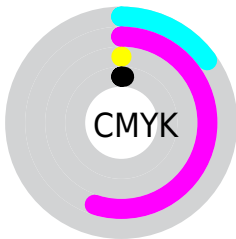
Distribution



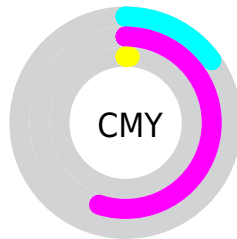
- Red (85%)
- Green (45%)
- Blue (100%)



- Red (85%)
- Yellow (45%)
- Blue (100%)



- Cyan (15%)
- Magenta (55%)
- Yellow (0%)
- Black (1%)





- Cyan (15%)
- Magenta (55%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 80.847, 319.030 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, 80.847, 319.030 by changing the saturation by 10% instead.


 65, 80.847,
319.030


 65, 80.847,
319.030


 100, 80.847,
319.030


 55, 80.847,
319.030


 85, 80.847,
319.030

 45, 80.847,
319.030

 95, 80.847,
319.030

 35, 80.847,
319.030

 25, 80.847,
319.030

 15, 80.847,
319.030

 5, 80.847, 319.030

 0, 80.847, 319.030

65, 80.847,
319.030

65, 80.847,
319.030

60, 93.664,
319.245

71, 66.727,
318.700

56, 104.447,
319.286

77, 51.914,
318.300

52, 112.452,
319.094

83, 36.842,
317.865

50, 117.210,
318.619

90, 21.803,
317.419

49, 118.679,
318.282

96, 6.981, 316.962

100, 0.639,
110.009

Harmonies

Complementary

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



65, 80.847, 319.030



91, 78.293, 133.839

Rectangle

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



65, 80.847, 319.030



65, 80.847, 9.030



65, 80.847, 139.030



65, 80.847, 189.030

Sweetspot

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



65, 80.845, 319.030



89, 23.731, 317.474



64, 56.971, 286.259



46, 16.050, 317.566



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, 80.845, 319.030



60, 95.493, 319.260



68, 71.587, 335.661



50, 8.381, 317.182



37, 95.879, 318.431



9, 43.872, 319.503

Inverse Universe

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



66, 56.682, 6.415



61, 67.667, 9.568



90, 71.899, 146.454



50, 5.576, 359.198



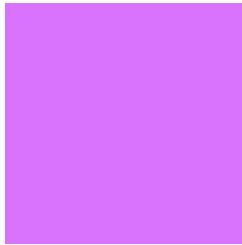
40, 71.947, 24.244



10, 31.615, 14.993

Previews

White Background



This preview shows how the CIELCh color 65, 80.847, 319.030 looks on a white background.

Color Contrast Check

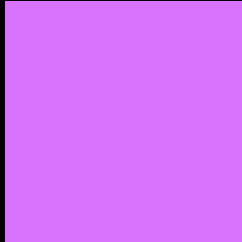
Large Text (above 18pt) WCAG AA × Fail

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, 80.847, 319.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

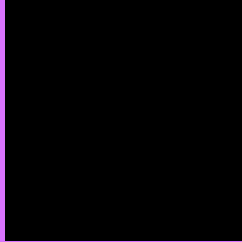
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 80.847, 319.030

Background



This preview shows how black text looks on a background with the CIELCh color 65, 80.847, 319.030.

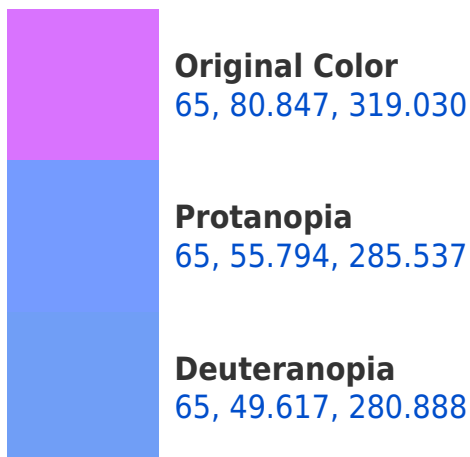


This preview shows how white text looks on a background with the CIELCh color 65, 80.847, 319.030.

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, 24.989, 8.095

Trichromacy



Original Color
65, 80.847, 319.030



Protanomaly
64, 64.198, 299.702



Deuteranomaly
64, 59.719, 298.274



Tritanomaly
64, 41.951, 334.347

Monochromacy



Original Color
65, 80.847, 319.030



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 31.366, 317.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 80.847, 319.030 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(217, 115, 254)` looks like.

```
.text, #text, p{  
    color:rgb(217, 115, 254)  
}
```

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(217, 115, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 115, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 80.847, 319.030 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(217, 115, 254) }
```

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

```
.border{ border-color:rgb(217, 115, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 115, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 115, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 115, 254);  
box-shadow:4px 4px 4px 4px rgb(217, 115,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 80.847, 319.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 115, 254) }
```

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

```
.background{ background-color: rgb(217,  
115, 254) }
```

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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