

Converting Colors

CIELCh(63, 78.323, 316.704)

Have a look what the booklet for
CIELCh(63, 78.323, 316.704)
contains.

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Color

CIELCh(63, 78.324, 316.704)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | CB72F9 |
| RGB | 203, 114, 249 |
| RGB Percent | 80%, 45%, 98% |
| CMY | 0.2038, 0.5528, 0.0234 |
| CMYK | 0.18, 0.54, 0.00, 0.02 |
| HSL | 280°, 92%, 71% |
| HSV | 280°, 54%, 98% |
| XYZ | 47.7656, 31.5869, 93.2342 |
| YIQ | 156.0010, 9.7090, 60.8530 |

Conversions

Conversions Part 2

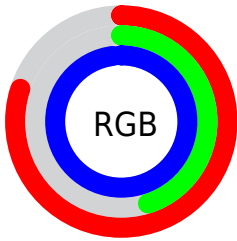
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 203, 114, 249 |
| Decimal | 13333241 |
| CIE _{Lab} | 63.00, 57.01, -53.71 |
| CIE _{LCh} | 63, 78.324, 316.704 |
| Yxy | 31.5869, 0.2768, 0.1830 |
| Android (android.graphics.Color) | 4291523321 (0xFFCB72F9) |
| YUV | 156.0010, 45.8485, 41.2181 |
| Hunter-Lab | 56.2022, 53.3511, -59.0149 |

Details

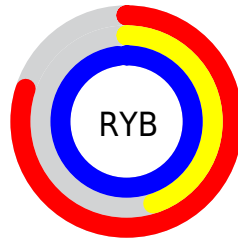
The CIELCh color $63, 78.324, 316.704$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $90, 74.732, 131.770$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 53.712, 326.276$, and $43, 78.581, 316.772$ is the 20% darker color. If you saturate the color by 10%, you get $58, 91.391, 316.955$, and if you desaturate by 10%, it is $69, 64.201, 316.342$.

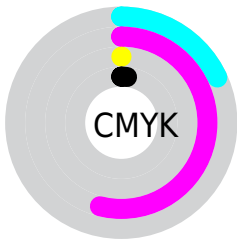
Distribution



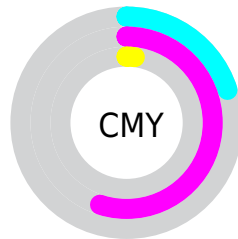
- Red (80%)
- Green (45%)
- Blue (98%)



- Red (80%)
- Yellow (45%)
- Blue (98%)



- Cyan (18%)
- Magenta (54%)
- Yellow (0%)
- Black (2%)





- Cyan (20%)
- Magenta (55%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 78.324, 316.704 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 63, 78.324, 316.704 by changing the saturation by 10% instead.


 63, 78.324,
316.704


 63, 78.324,
316.704


 100, 78.324,
316.704


 53, 78.324,
316.704


 83, 78.324,
316.704

 43, 78.324,
316.704

 93, 78.324,
316.704

 33, 78.324,
316.704

 23, 78.324,
316.704

 13, 78.324,
316.704

 3, 78.324, 316.704

 0, 78.324, 316.704

63, 78.324,
316.704

63, 78.324,
316.704

58, 91.391,
316.955

69, 64.201,
316.342

53, 102.669,
317.028

75, 49.586,
315.919

49, 111.339,
316.846

82, 34.859,
315.471

46, 116.776,
316.338

88, 20.261,
315.023

45, 118.688,
315.921

95, 5.936, 314.571

100, 3.038,
116.876

100, 3.011,
109.927

Harmonies

Complementary

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



63, 78.324, 316.704



90, 74.732, 131.770

Rectangle

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



63, 78.324, 316.704



63, 78.324, 6.704



63, 78.324, 136.704



63, 78.324, 186.704

Sweetspot

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



63, 78.322, 316.704



89, 23.303, 315.103



67, 49.389, 280.311



46, 15.766, 315.196



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 78.322, 316.704



58, 94.131, 316.970



68, 73.910, 332.245



49, 8.086, 314.813



34, 96.246, 316.095



7, 43.068, 317.358

Inverse Universe

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



66, 56.043, 0.697



62, 67.134, 3.431



88, 74.565, 143.882



49, 5.692, 354.043



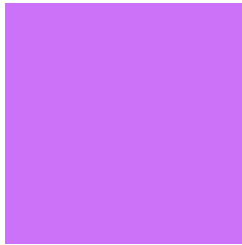
40, 68.753, 17.441



9, 30.477, 9.153

Previews

White Background



This preview shows how the CIELCh color 63, 78.324, 316.704 looks on a white background.

Color Contrast Check

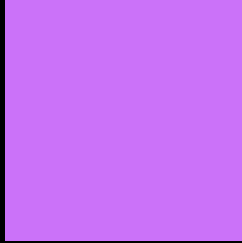
Large Text (above 18pt) WCAG AA × Fail

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 63, 78.324, 316.704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

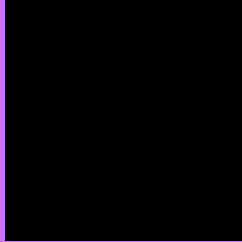
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 78.324, 316.704

Background



This preview shows how black text looks on a background with the CIELCh color 63, 78.324, 316.704.

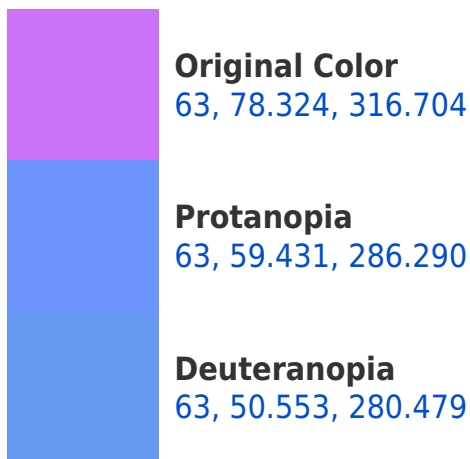


This preview shows how white text looks on a background with the CIELCh color 63, 78.324, 316.704.

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
63, 20.361, 4.181

Trichromacy



Original Color
63, 78.324, 316.704



Protanomaly
62, 65.537, 298.411



Deuteranomaly
62, 59.366, 296.224



Tritanomaly
62, 38.512, 329.519

Monochromacy



Original Color
63, 78.324, 316.704



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 29.799, 315.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 78.324, 316.704 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(203, 114, 249)` looks like.

```
.text, #text, p{  
    color:rgb(203, 114, 249)  
}
```

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(203, 114, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 114, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 78.324, 316.704 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(203, 114, 249) }
```

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

```
.border{ border-color:rgb(203, 114, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 114, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 114, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 114, 249);  
box-shadow:4px 4px 4px 4px rgb(203, 114,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 78.324, 316.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 114, 249) }
```

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

```
.background{ background-color: rgb(203,  
114, 249) }
```

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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