

Converting Colors

CIELCh(63, 57.979, 313.345)

Have a look what the booklet for
CIELCh(63, 57.979, 313.345)
contains.

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Color

CIELCh(63, 57.979, 313.345)

Conversions

Conversions Part 1

Format	Color
Hex	B981E4
RGB	185, 129, 228
RGB Percent	73%, 51%, 89%
CMY	0.2748, 0.4944, 0.1062
CMYK	0.19, 0.43, 0.00, 0.11
HSL	274°, 65%, 70%
HSV	274°, 43%, 89%
XYZ	41.8267, 31.5869, 77.2403
YIQ	157.0300, 1.5970, 42.6610

Conversions

Conversions Part 2

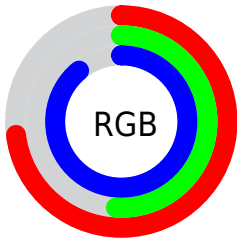
Format	Color
R _Y B	185, 129, 228
Decimal	12157412
CIE Lab	63.00, 39.80, -42.16
CIE LCh	63, 57.979, 313.345
Yxy	31.5869, 0.2776, 0.2097
Android (android.graphics.Color)	4290347492 (0xFFB981E4)
YUV	157.0300, 34.9882, 24.5297
Hunter-Lab	56.2022, 34.4889, -42.1424

Details

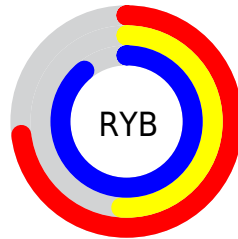
The CIELCh color $63, 57.979, 313.345$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $85, 54.985, 129.304$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 43.219, 321.091$, and $43, 58.001, 313.416$ is the 20% darker color. If you saturate the color by 10%, you get $57, 71.363, 313.788$, and if you desaturate by 10%, it is $69, 44.353, 312.862$.

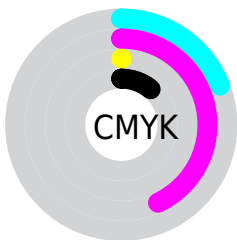
Distribution



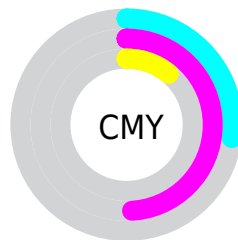
- Red (73%)
- Green (51%)
- Blue (89%)



- Red (73%)
- Yellow (51%)
- Blue (89%)



- Cyan (19%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)





- Cyan (27%)
- Magenta (49%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 57.979, 313.345 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, 57.979, 313.345 by changing the saturation by 10% instead.


 63, 57.979,
313.345


 63, 57.979,
313.345


 100, 57.979,
313.345


 53, 57.979,
313.345


 83, 57.979,
313.345

 43, 57.979,
313.345

 93, 57.979,
313.345

 33, 57.979,
313.345

 23, 57.979,
313.345

 13, 57.979,
313.345

 3, 57.979, 313.345

 0, 57.979, 313.345

63, 57.979,
313.345

63, 57.979,
313.345

57, 71.363,
313.788

69, 44.353,
312.862

52, 84.047,
314.138

75, 30.781,
312.375

47, 95.361,
314.319

82, 17.432,
311.902

43, 104.469,
314.238

88, 4.399, 311.437

40, 110.590,
313.797

95, 8.272, 131.087

38, 113.170,
313.342

99, 14.280,
124.758

99, 13.704,
110.303

99, 13.698,
109.142

Harmonies

Complementary

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



63, 57.979, 313.345



85, 54.985, 129.304

Rectangle

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



63, 57.979, 313.345



63, 57.979, 3.345



63, 57.979, 133.345



63, 57.979, 183.345

Sweetspot

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



63, 57.977, 313.345



91, 18.472, 311.886



70, 32.053, 268.497



47, 12.962, 311.989



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, 57.977, 313.345



64, 76.093, 313.742



68, 60.398, 328.219



45, 7.375, 311.720



29, 94.122, 313.521



4, 36.024, 313.375

Inverse Universe

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



66, 43.662, 352.199



68, 56.754, 353.675



83, 60.596, 142.343



45, 5.609, 348.138



38, 64.626, 8.194



7, 27.090, 359.873

Previews

White Background



This preview shows how the CIELCh color 63, 57.979, 313.345 looks on a white background.

Color Contrast Check

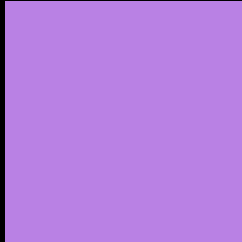
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 63, 57.979, 313.345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

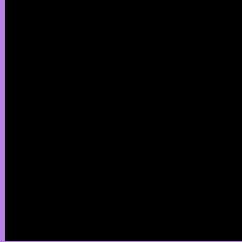
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 57.979, 313.345

Background



This preview shows how black text looks on a background with the CIELCh color 63, 57.979, 313.345.

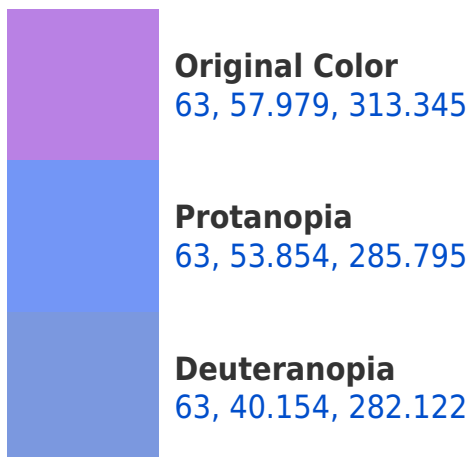



This preview shows how white text looks on a background with the CIELCh color 63, 57.979, 313.345.

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, 12.505, 351.340

Trichromacy



Original Color
63, 57.979, 313.345



Protanomaly
63, 54.265, 295.124



Deuteranomaly
63, 45.369, 295.625



Tritanomaly
63, 27.824, 322.362

Monochromacy



Original Color
63, 57.979, 313.345



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 21.475, 311.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 57.979, 313.345 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(185, 129, 228)` looks like.

```
.text, #text, p{  
    color:rgb(185, 129, 228)  
}
```

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(185, 129, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 129, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 57.979, 313.345 is called "border". The border property can be set on classes, ids or directly on the HTML element.

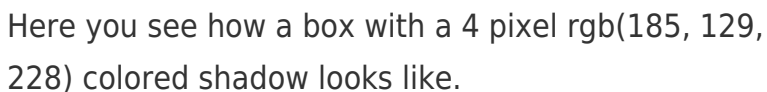
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 129, 228) }
```

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

```
.border{ border-color:rgb(185, 129, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 129, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 129, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 129, 228); box-shadow:4px 4px 4px 4px rgb(185, 129, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 57.979, 313.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 129, 228) }
```

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

```
.background{ background-color: rgb(185,  
129, 228) }
```

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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