

Converting Colors

CIELCh(63, 62.434, 313.595)

Have a look what the booklet for
CIELCh(63, 62.434, 313.595)
contains.

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Color

CIELCh(63, 61.869, 313.456)

Conversions

Conversions Part 1

Format	Color
Hex	BB7FE9
RGB	187, 127, 233
RGB Percent	73%, 50%, 91%
CMY	0.2670, 0.5023, 0.0866
CMYK	0.20, 0.46, 0.00, 0.09
HSL	274°, 71%, 71%
HSV	274°, 46%, 91%
XYZ	42.7430, 31.5869, 80.8636
YIQ	157.0240, 1.7340, 45.6860

Conversions

Conversions Part 2

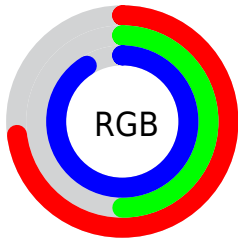
Format	Color
RYB	187, 127, 233
Decimal	12287977
CIELab	63.00, 42.55, -44.91
CIELCh	63, 61.869, 313.456
Yxy	31.5869, 0.2754, 0.2035
Android (android.graphics.Color)	4290478057 (0xFFBB7FE9)
YUV	157.0240, 37.4562, 26.2890
Hunter-Lab	56.2022, 37.3990, -45.9647

Details

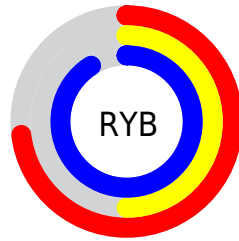
The CIELCh color $63, 61.869, 313.456$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86, 58.515, 129.219$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 44.765, 322.078$, and $43, 61.904, 313.257$ is the 20% darker color. If you saturate the color by 10%, you get $57, 75.382, 313.884$, and if you desaturate by 10%, it is $69, 48.024, 312.978$.

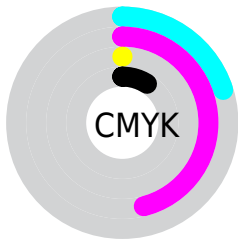
Distribution



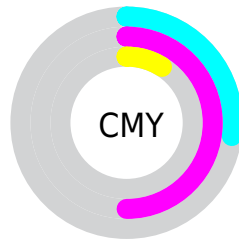
- Red (73%)
- Green (50%)
- Blue (91%)



- Red (73%)
- Yellow (50%)
- Blue (91%)



- Cyan (20%)
- Magenta (46%)
- Yellow (0%)
- Black (9%)





- Cyan (27%)
- Magenta (50%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 61.869, 313.456 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, 61.869, 313.456 by changing the saturation by 10% instead.


 63, 61.869,
313.456


 63, 61.869,
313.456


 100, 61.869,
313.456


 53, 61.869,
313.456


 83, 61.869,
313.456

 43, 61.869,
313.456

 93, 61.869,
313.456

 33, 61.869,
313.456

 23, 61.869,
313.456

 13, 61.869,
313.456

 3, 61.869, 313.456

 0, 61.869, 313.456

63, 61.869,
313.456

63, 61.869,
313.456

57, 75.382,
313.884

69, 48.024,
312.978

52, 88.053,
314.205

76, 34.183,
312.489

47, 99.154,
314.338

82, 20.539,
312.012

43, 107.817,
314.185

89, 7.203, 311.551

40, 113.313,
313.655

95, 5.772, 131.189

39, 115.032,
313.338

99, 11.534,
122.722

99, 11.183,
109.332

Harmonies

Complementary

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



63, 61.869, 313.456



86, 58.515, 129.219

Rectangle

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



63, 61.869, 313.456



63, 61.869, 3.456



63, 61.869, 133.456



63, 61.869, 183.456

Sweetspot

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



63, 61.867, 313.456



90, 19.920, 311.945



70, 34.162, 269.048



47, 13.790, 312.046



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, 61.867, 313.456



62, 80.399, 313.875



68, 64.168, 328.329



46, 7.510, 311.733



30, 95.119, 313.519



5, 37.999, 313.840

Inverse Universe

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



66, 46.489, 352.555



67, 59.708, 354.264



84, 64.436, 142.110



46, 5.710, 348.162



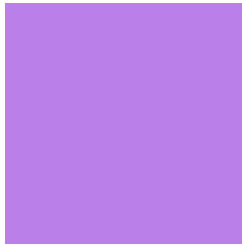
39, 65.313, 8.286



8, 28.114, 0.340

Previews

White Background



This preview shows how the CIELCh color 63, 61.869, 313.456 looks on a white background.

Color Contrast Check

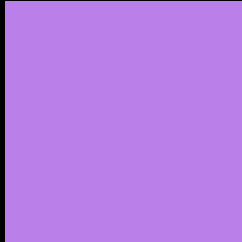
Large Text (above 18pt) WCAG AA × Fail

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, 61.869, 313.456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

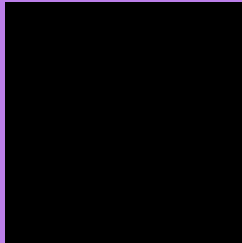
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 61.869, 313.456

Background



This preview shows how black text looks on a background with the CIELCh color 63, 61.869, 313.456.

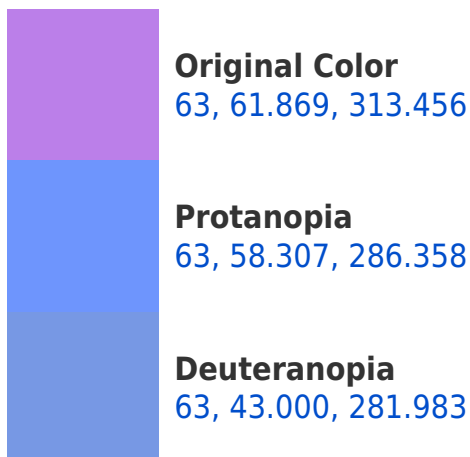



This preview shows how white text looks on a background with the CIELCh color 63, 61.869, 313.456.

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, 12.849, 352.254

Trichromacy



Original Color
63, 61.869, 313.456



Protanomaly
63, 58.700, 295.330



Deuteranomaly
63, 48.720, 295.539



Tritanomaly
63, 29.774, 322.652

Monochromacy



Original Color
63, 61.869, 313.456



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 23.296, 312.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 61.869, 313.456 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(187, 127, 233)` looks like.

```
.text, #text, p{  
    color:rgb(187, 127, 233)  
}
```

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(187, 127, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 127, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 61.869, 313.456 is called "border". The border property can be set on classes, ids or directly on the HTML element.

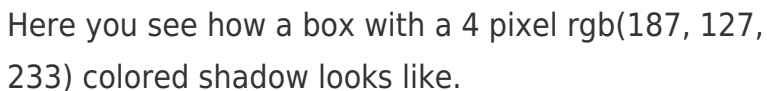
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 127, 233) }
```

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

```
.border{ border-color:rgb(187, 127, 233) }
```

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



Here you see how a box with a 4 pixel rgb(187, 127, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 127, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 127, 233);  
box-shadow:4px 4px 4px 4px rgb(187, 127,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 61.869, 313.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 127, 233) }
```

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

```
.background{ background-color: rgb(187,  
127, 233) }
```

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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