

Converting Colors

CIELCh(63, 50.033, 313.862)

Have a look what the booklet for
CIELCh(63, 50.033, 313.862)
contains.

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Color

CIELCh(63, 50.300, 313.859)

Conversions

Conversions Part 1

Format	Color
Hex	B684D9
RGB	182, 132, 217
RGB Percent	71%, 52%, 85%
CMY	0.2851, 0.4812, 0.1478
CMYK	0.16, 0.39, 0.00, 0.15
HSL	275°, 53%, 69%
HSV	275°, 39%, 85%
XYZ	40.2166, 31.5869, 69.8317
YIQ	156.6400, 2.5150, 37.0350

Conversions

Conversions Part 2

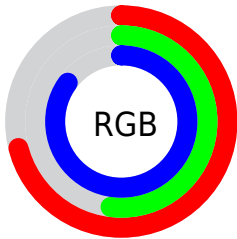
Format	Color
RYB	182, 132, 217
Decimal	11961561
CIELab	63.00, 34.85, -36.27
CIElCh	63, 50.300, 313.859
Yxy	31.5869, 0.2839, 0.2230
Android (android.graphics.Color)	4290151641 (0xFFB684D9)
YUV	156.6400, 29.7575, 22.2407
Hunter-Lab	56.2022, 29.3751, -34.3267

Details

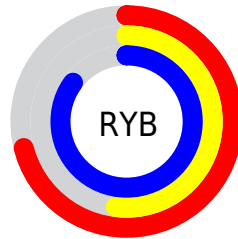
The CIELCh color $63, 50.300, 313.859$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $82, 48.130, 130.272$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 40.770, 319.038$, and $43, 50.686, 314.047$ is the 20% darker color. If you saturate the color by 10%, you get $57, 63.298, 314.303$, and if you desaturate by 10%, it is $69, 37.174, 313.388$.

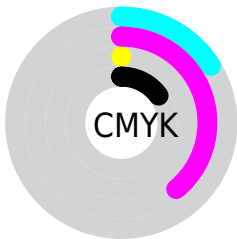
Distribution



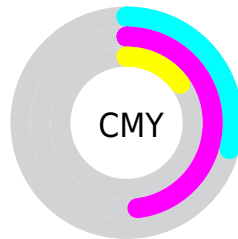
- Red (71%)
- Green (52%)
- Blue (85%)



- Red (71%)
- Yellow (52%)
- Blue (85%)



- Cyan (16%)
- Magenta (39%)
- Yellow (0%)
- Black (15%)





- Cyan (29%)
- Magenta (48%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 50.300, 313.859 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, 50.300, 313.859 by changing the saturation by 10% instead.


 63, 50.300,
313.859


 63, 50.300,
313.859


 100, 50.300,
313.859


 53, 50.300,
313.859


 83, 50.300,
313.859

 43, 50.300,
313.859

 93, 50.300,
313.859

 33, 50.300,
313.859

 23, 50.300,
313.859

 13, 50.300,
313.859

 3, 50.300, 313.859

 0, 50.300, 313.859

63, 50.300,
313.859

63, 50.300,
313.859

57, 63.298,
314.303

69, 37.174,
313.388

52, 75.800,
314.677

75, 24.159,
312.917

47, 87.250,
314.917

81, 11.388,
312.462

43, 96.914,
314.941

87, 1.067, 132.204

40, 104.013,
314.656

94, 13.171,
131.686


37, 108.286,
314.029

98, 20.376,
128.563

37, 108.619,
313.973

98, 19.455,
119.659

99, 19.064,
109.980

 99, 19.056,
108.736

Harmonies

Complementary

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



63, 50.300, 313.859



82, 48.130, 130.272

Rectangle

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



63, 50.300, 313.859



63, 50.300, 3.859



63, 50.300, 133.859



63, 50.300, 183.859

Sweetspot

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



63, 50.298, 313.859



92, 17.115, 312.596



68, 28.969, 270.635



48, 11.371, 312.656



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, 50.298, 313.859



68, 68.956, 314.231



67, 51.496, 329.018



43, 7.141, 312.476



29, 91.665, 314.142



4, 31.934, 312.951

Inverse Universe

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



65, 37.473, 353.008



71, 51.102, 354.313



80, 51.566, 143.732



43, 5.327, 349.498



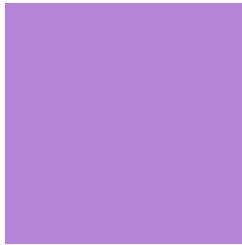
37, 63.376, 10.269



6, 24.364, 0.465

Previews

White Background



This preview shows how the CIELCh color 63, 50.300, 313.859 looks on a white background.

Color Contrast Check

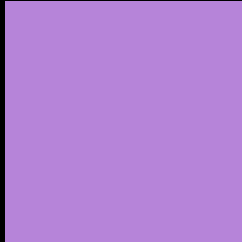
Large Text (above 18pt) WCAG AA × Fail

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, 50.300, 313.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

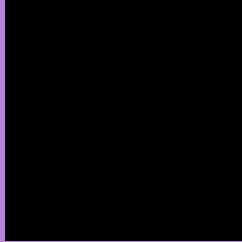
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 50.300, 313.859

Background



This preview shows how black text looks on a background with the CIELCh color 63, 50.300, 313.859.

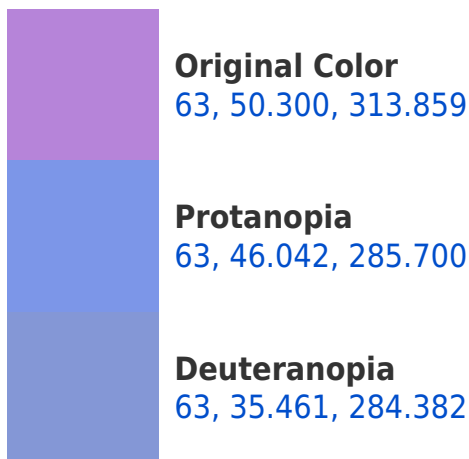



This preview shows how white text looks on a background with the CIELCh color 63, 50.300, 313.859.

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, 12.768, 349.132

Trichromacy



Original Color
63, 50.300, 313.859



Protanomaly
63, 46.466, 295.336



Deuteranomaly
63, 39.891, 297.047



Tritanomaly
63, 25.575, 323.424

Monochromacy



Original Color
63, 50.300, 313.859



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 18.611, 312.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 50.300, 313.859 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(182, 132, 217)` looks like.

```
.text, #text, p{  
    color:rgb(182, 132, 217)  
}
```

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(182, 132, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 132, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 50.300, 313.859 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(182, 132, 217) }
```

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

```
.border{ border-color:rgb(182, 132, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 132, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 132, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 132, 217);  
box-shadow:4px 4px 4px 4px rgb(182, 132,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 50.300, 313.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 132, 217) }
```

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

```
.background{ background-color: rgb(182,  
132, 217) }
```

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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