

Converting Colors

CIELCh(63, 60.680, 318.659)

Have a look what the booklet for
CIELCh(63, 60.680, 318.659)
contains.

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Color

CIELCh(63, 60.725, 318.666)

Conversions

Conversions Part 1

Format	Color
Hex	C57BE0
RGB	197, 123, 224
RGB Percent	77%, 48%, 88%
CMY	0.2259, 0.5162, 0.1200
CMYK	0.12, 0.45, 0.00, 0.12
HSL	284°, 62%, 68%
HSV	284°, 45%, 88%
XYZ	43.7698, 31.5869, 74.5967
YIQ	156.6400, 11.6830, 47.0990

Conversions

Conversions Part 2

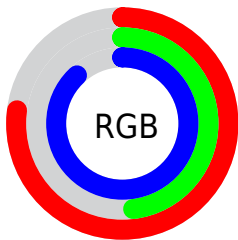
Format	Color
R_{YB}	197, 123, 224
Decimal	12942304
CIE _{Lab}	63.00, 45.60, -40.11
CIE _{LCh}	63, 60.725, 318.666
Yxy	31.5869, 0.2919, 0.2106
Android (android.graphics.Color)	4291132384 (0xFFC57BE0)
YUV	156.6400, 33.2085, 35.3957
Hunter-Lab	56.2022, 40.6604, -39.3535

Details

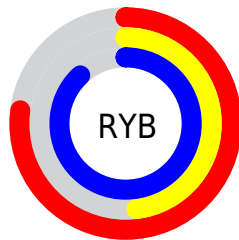
The CIELCh color $63, 60.725, 318.666$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $83, 59.042, 134.396$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 48.817, 326.112$, and $43, 60.751, 318.694$ is the 20% darker color. If you saturate the color by 10%, you get $58, 73.513, 318.995$, and if you desaturate by 10%, it is $69, 47.312, 318.269$.

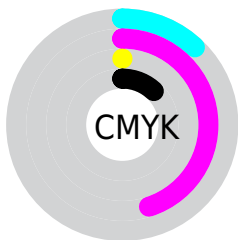
Distribution



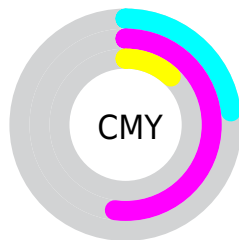
- Red (77%)
- Green (48%)
- Blue (88%)



- Red (77%)
- Yellow (48%)
- Blue (88%)



- Cyan (12%)
- Magenta (45%)
- Yellow (0%)
- Black (12%)





- Cyan (23%)
- Magenta (52%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 60.725, 318.666 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, 60.725, 318.666 by changing the saturation by 10% instead.

 63, 60.725,
318.666


 63, 60.725,
318.666


 100, 60.725,
318.666


 53, 60.725,
318.666


 83, 60.725,
318.666

 43, 60.725,
318.666

 93, 60.725,
318.666

 33, 60.725,
318.666

 23, 60.725,
318.666

 13, 60.725,
318.666

 3, 60.725, 318.666

 0, 60.725, 318.666

63, 60.725,
318.666

63, 60.725,
318.666

58, 73.513,
318.995

69, 47.312,
318.269

53, 85.146,
319.211

74, 33.671,
317.837

49, 94.964,
319.257

80, 20.058,
317.394

46, 102.301,
319.074

86, 6.640, 316.941

44, 106.725,
318.612


92, 6.488, 136.592

43, 108.148,
318.309

98, 17.440,
135.418

98, 16.557,
128.904

99, 15.914,
121.670

 99, 15.550,
113.878

Harmonies

Complementary

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



63, 60.725, 318.666



83, 59.042, 134.396

Rectangle

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



63, 60.725, 318.666



63, 60.725, 8.666



63, 60.725, 138.666



63, 60.725, 188.666

Sweetspot

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



63, 60.723, 318.666



91, 20.722, 317.353



63, 40.886, 282.617



47, 14.334, 317.449



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, 60.723, 318.666



66, 80.103, 318.977



65, 55.105, 334.174



44, 7.543, 317.145



34, 90.109, 318.450



5, 35.047, 318.983

Inverse Universe

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



64, 42.156, 4.141



67, 56.133, 6.154



82, 55.004, 147.192



44, 5.021, 359.112



37, 67.423, 23.784



6, 25.312, 9.394

Previews

White Background



This preview shows how the CIELCh color 63, 60.725, 318.666 looks on a white background.

Color Contrast Check

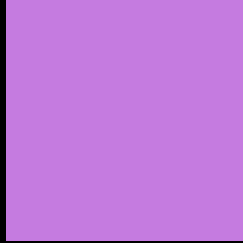
Large Text (above 18pt) WCAG AA × Fail

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, 60.725, 318.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

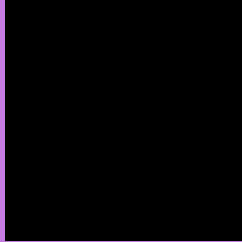
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 60.725, 318.666

Background



This preview shows how black text looks on a background with the CIELCh color 63, 60.725, 318.666.

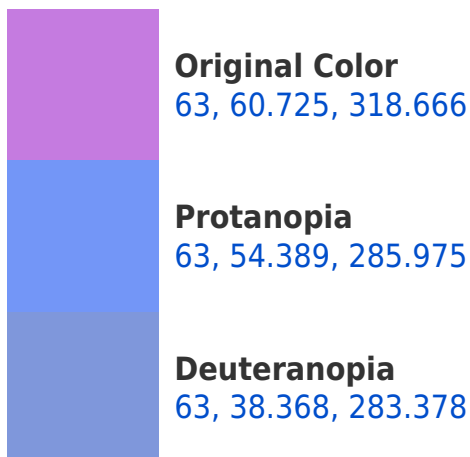



This preview shows how white text looks on a background with the CIELCh color 63, 60.725, 318.666.

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, 19.567, 3.350

Trichromacy



Original Color
63, 60.725, 318.666



Protanomaly
63, 55.484, 297.308



Deuteranomaly
63, 45.107, 299.555



Tritanomaly
63, 32.254, 333.491

Monochromacy



Original Color
63, 60.725, 318.666



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 22.979, 317.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 60.725, 318.666 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(197, 123, 224)` looks like.

```
.text, #text, p{  
    color:rgb(197, 123, 224)  
}
```

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(197, 123, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 123, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 60.725, 318.666 is called "border". The border property can be set on classes, ids or directly on the HTML element.

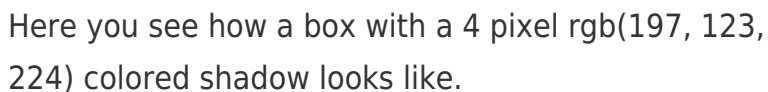
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 123, 224) }
```

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

```
.border{ border-color:rgb(197, 123, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 123, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 123, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 123, 224);  
box-shadow:4px 4px 4px 4px rgb(197, 123,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 60.725, 318.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 123, 224) }
```

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

```
.background{ background-color: rgb(197,  
123, 224) }
```

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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