

Converting Colors

CIELCh(64, 59.806, 318.242)

Have a look what the booklet for
CIELCh(64, 59.806, 318.242)
contains.

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Color

CIELCh(64, 59.883, 318.232)

Conversions

Conversions Part 1

Format	Color
Hex	C77FE3
RGB	199, 127, 227
RGB Percent	78%, 50%, 89%
CMY	0.2202, 0.5025, 0.1104
CMYK	0.12, 0.44, 0.00, 0.11
HSL	283°, 64%, 69%
HSV	283°, 44%, 89%
XYZ	44.9284, 32.8017, 76.5266
YIQ	159.9280, 10.8120, 46.3640

Conversions

Conversions Part 2

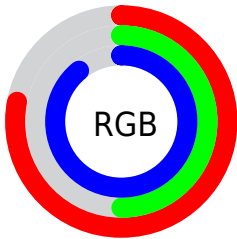
Format	Color
RYB	199, 127, 227
Decimal	13074403
CIELab	64.00, 44.66, -39.89
CIELCh	64, 59.883, 318.232
Yxy	32.8017, 0.2913, 0.2126
Android (android.graphics.Color)	4291264483 (0xFFC77FE3)
YUV	159.9280, 33.0665, 34.2661
Hunter-Lab	57.2727, 39.7996, -39.1311

Details

The CIELCh color $64, 59.883, 318.232$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84, 58.141, 134.086$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 46.349, 326.028$, and $44, 59.982, 318.241$ is the 20% darker color. If you saturate the color by 10%, you get $59, 72.885, 318.572$, and if you desaturate by 10%, it is $70, 46.318, 317.828$.

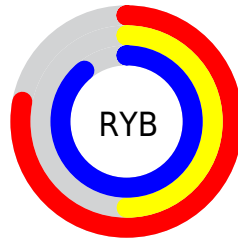
Distribution



Red (78%)

Green (50%)

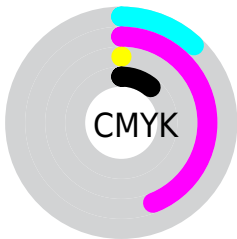
Blue (89%)



Red (78%)

Yellow (50%)

Blue (89%)

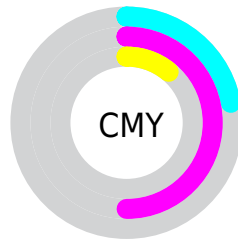


Cyan (12%)

Magenta (44%)

Yellow (0%)

Black (11%)



Cyan (22%)


Magenta (50%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 59.883, 318.232 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 64, 59.883, 318.232 by changing the saturation by 10% instead.

 64, 59.883,
318.232


 64, 59.883,
318.232


 100, 59.883,
318.232


 54, 59.883,
318.232


 84, 59.883,
318.232

 44, 59.883,
318.232

 94, 59.883,
318.232

 34, 59.883,
318.232

 24, 59.883,
318.232

 14, 59.883,
318.232

 4, 59.883, 318.232

 0, 59.883, 318.232

64, 59.883,
318.232

64, 59.883,
318.232

59, 72.885,
318.572

70, 46.318,
317.828

54, 84.805,
318.803

75, 32.571,
317.393

50, 94.981,
318.867

82, 18.886,
316.950

47, 102.721,
318.702

88, 5.416, 316.495

94, 7.750, 136.151


44, 107.534,
318.254

98, 15.746,
133.363

43, 109.289,
317.883

98, 14.914,
125.514

99, 14.398,
116.814

 99, 14.244,
109.101

Harmonies

Complementary

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



64, 59.883, 318.232



84, 58.141, 134.086

Rectangle

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



64, 59.883, 318.232



64, 59.883, 8.232



64, 59.883, 138.232



64, 59.883, 188.232

Sweetspot

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



64, 59.881, 318.232



91, 19.160, 316.906



65, 40.337, 282.402



47, 13.435, 317.005



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 59.881, 318.232



66, 78.615, 318.550



66, 54.507, 334.106



44, 7.517, 316.744



33, 90.311, 318.035



5, 34.971, 318.520

Inverse Universe

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



65, 41.734, 3.022



67, 55.212, 4.952



83, 54.384, 147.301



44, 5.051, 358.201



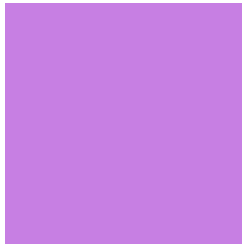
37, 66.965, 22.669



6, 25.327, 8.747

Previews

White Background



This preview shows how the CIELCh color 64, 59.883, 318.232 looks on a white background.

Color Contrast Check

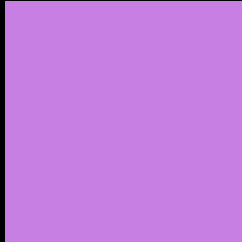
Large Text (above 18pt) WCAG AA × Fail

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 64, 59.883, 318.232 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 64, 59.883, 318.232

Background



This preview shows how black text looks on a background with the CIELCh color 64, 59.883, 318.232.

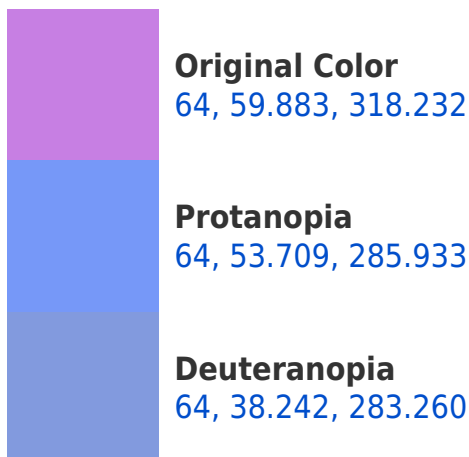


This preview shows how white text looks on a background with the CIELCh color 64, 59.883, 318.232.

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
64, 18.733, 2.431

Trichromacy



Original Color
64, 59.883, 318.232



Protanomaly
63, 54.203, 296.873



Deuteranomaly
64, 44.931, 299.102



Tritanomaly
64, 31.314, 333.029

Monochromacy



Original Color
64, 59.883, 318.232



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 22.259, 317.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 59.883, 318.232 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(199, 127, 227)` looks like.

```
.text, #text, p{  
    color:rgb(199, 127, 227)  
}
```

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(199, 127, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 127, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 59.883, 318.232 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(199, 127, 227) }
```

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

```
.border{ border-color:rgb(199, 127, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 127, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 127, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 127, 227);  
box-shadow:4px 4px 4px 4px rgb(199, 127,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 59.883, 318.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 127, 227) }
```

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

```
.background{ background-color: rgb(199,  
127, 227) }
```

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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