

Converting Colors

CIELCh(59, 68.414, 312.985)

Have a look what the booklet for
CIELCh(59, 68.414, 312.985)
contains.

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Color

CIELCh(59, 68.875, 312.975)

Conversions

Conversions Part 1

Format	Color
Hex	B171E7
RGB	177, 113, 231
RGB Percent	69%, 44%, 91%
CMY	0.3048, 0.5559, 0.0931
CMYK	0.23, 0.51, 0.00, 0.09
HSL	273°, 71%, 68%
HSV	273°, 51%, 91%
XYZ	38.5861, 27.0277, 78.9832
YIQ	145.5880, 0.2660, 50.2660

Conversions

Conversions Part 2

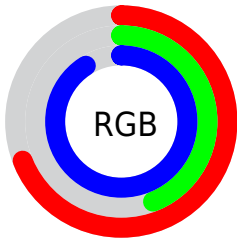
Format	Color
R_{YB}	177, 113, 231
Decimal	11629031
CIE _{Lab}	59.00, 46.95, -50.39
CIE _{LCh}	59, 68.875, 312.975
Yxy	27.0277, 0.2669, 0.1869
Android (android.graphics.Color)	4289819111 (0xFFB171E7)
YUV	145.5880, 42.1081, 27.5483
Hunter-Lab	51.9882, 41.5049, -53.6847

Details

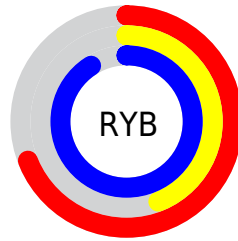
The CIELCh color $59, 68.875, 312.975$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $85, 64.371, 128.188$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 52.135, 319.504$, and $39, 68.990, 312.872$ is the 20% darker color. If you saturate the color by 10%, you get $53, 82.013, 313.382$, and if you desaturate by 10%, it is $65, 55.203, 312.494$.

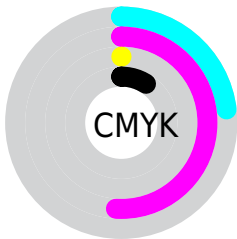
Distribution



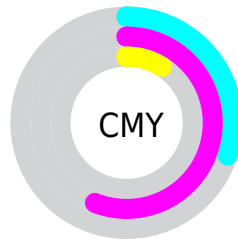
- Red (69%)
- Green (44%)
- Blue (91%)



- Red (69%)
- Yellow (44%)
- Blue (91%)



- Cyan (23%)
- Magenta (51%)
- Yellow (0%)
- Black (9%)





- Cyan (30%)
- Magenta (56%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 68.875, 312.975 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 59, 68.875, 312.975 by changing the saturation by 10% instead.


 59, 68.875,
312.975


 59, 68.875,
312.975


 100, 68.875,
312.975


 49, 68.875,
312.975


 79, 68.875,
312.975

 39, 68.875,
312.975

 89, 68.875,
312.975

 29, 68.875,
312.975

 99, 68.875,
312.975

 19, 68.875,
312.975

 9, 68.875, 312.975

 0, 68.875, 312.975

59, 68.875,
312.975

59, 68.875,
312.975

53, 82.013,
313.382

65, 55.203,
312.494

48, 93.996,
313.643

71, 41.414,
311.988

44, 103.990,
313.663

78, 27.756,
311.488

40, 111.119,
313.335

84, 14.372,
311.009

38, 115.006,
312.744

91, 1.335, 310.471

98, 11.323,
130.196

99, 12.099,
115.534

99, 12.011,
109.270

Harmonies

Complementary

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



59, 68.875, 312.975



85, 64.371, 128.188

Rectangle

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



59, 68.875, 312.975



59, 68.875, 2.975



59, 68.875, 132.975



59, 68.875, 182.975

Sweetspot

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



59, 68.874, 312.975



89, 21.266, 311.200



68, 37.204, 268.873



46, 14.549, 311.301



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 68.874, 312.975



58, 88.702, 313.392



65, 71.498, 328.089



45, 7.338, 310.936



29, 94.589, 312.934



4, 35.885, 312.548

Inverse Universe

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



63, 52.085, 351.922



64, 65.875, 353.856



83, 71.988, 141.050



45, 5.692, 346.780



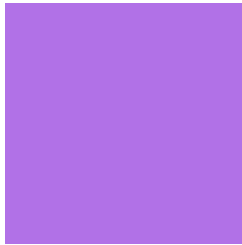
38, 64.603, 5.948



7, 27.246, 358.167

Previews

White Background



This preview shows how the CIELCh color 59, 68.875, 312.975 looks on a white background.

Color Contrast Check

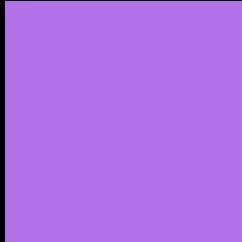
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 68.875, 312.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

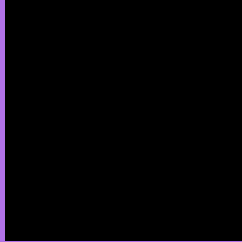
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 68.875, 312.975

Background



This preview shows how black text looks on a background with the CIELCh color 59, 68.875, 312.975.



This preview shows how white text looks on a background with the CIELCh color 59, 68.875, 312.975.

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



Original Color
59, 68.875, 312.975

Protanopia
59, 66.319, 287.036

Deuteranopia
59, 47.767, 280.621



Tritanopia
59, 13.024, 352.365

Trichromacy



Original Color
59, 68.875, 312.975



Protanomaly
58, 66.170, 294.956



Deuteranomaly
58, 53.823, 294.176



Tritanomaly
58, 32.224, 321.271

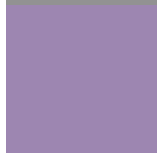
Monochromacy



Original Color
59, 68.875, 312.975



Achromatopsia
61, 0.008, 296.813



Achromatomaly
59, 25.848, 311.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 68.875, 312.975 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(177, 113, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 113, 231)  
}
```

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(177, 113, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 113, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 68.875, 312.975 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(177, 113, 231) }
```

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

```
.border{ border-color:rgb(177, 113, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 113, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 113, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 113, 231);  
box-shadow:4px 4px 4px 4px rgb(177, 113,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 68.875, 312.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 113, 231) }
```

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

```
.background{ background-color: rgb(177,  
113, 231) }
```

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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