

Converting Colors

CIELCh(61, 79.754, 311.701)

Have a look what the booklet for
CIELCh(61, 79.754, 311.701)
contains.

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Color

CIELCh(61, 79.999, 311.678)

Conversions

Conversions Part 1

Format	Color
Hex	B772FE
RGB	183, 114, 254
RGB Percent	72%, 45%, 100%
CMY	0.2824, 0.5530, 0.0040
CMYK	0.28, 0.55, 0.00, 0.00
HSL	270°, 99%, 72%
HSV	270°, 55%, 100%
XYZ	43.4230, 29.2481, 97.1014
YIQ	150.5910, -3.8160, 58.1680

Conversions

Conversions Part 2

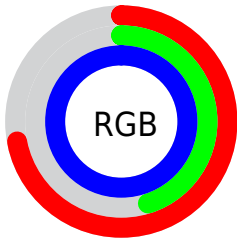
Format	Color
RYB	183, 114, 254
Decimal	12022526
CIELab	61.00, 53.19, -59.75
CIElCh	61, 79.999, 311.678
Yxy	29.2481, 0.2558, 0.1723
Android (android.graphics.Color)	4290212606 (0xFFB772FE)
YUV	150.5910, 50.9806, 28.4227
Hunter-Lab	54.0815, 48.6780, -68.5959

Details

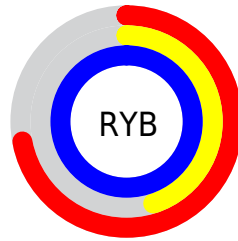
The CIELCh color $61, 79.999, 311.678$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $93, 73.470, 126.302$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 52.418, 321.876$, and $41, 79.755, 311.768$ is the 20% darker color. If you saturate the color by 10%, you get $55, 93.974, 312.112$, and if you desaturate by 10%, it is $68, 65.302, 311.152$.

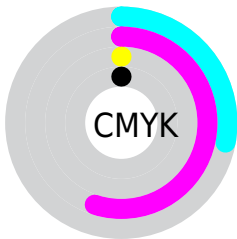
Distribution



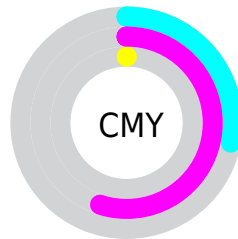
- Red (72%)
- Green (45%)
- Blue (100%)



- Red (72%)
- Yellow (45%)
- Blue (100%)



- Cyan (28%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 79.999, 311.678 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 61, 79.999, 311.678 by changing the saturation by 10% instead.

 61, 79.999,
311.678


 61, 79.999,
311.678


 100, 79.999,
311.678


 51, 79.999,
311.678


 81, 79.999,
311.678

 41, 79.999,
311.678

 91, 79.999,
311.678

 31, 79.999,
311.678

 21, 79.999,
311.678

 11, 79.999,
311.678

 1, 79.999, 311.678

 0, 79.999, 311.678

61, 79.999,
311.678

61, 79.999,
311.678

55, 93.974,
312.112

68, 65.302,
311.152

49, 106.435,
312.364

75, 50.412,
310.594

45, 116.357,
312.316

82, 35.640,
310.043

42, 122.786,
311.855

89, 21.163,
309.520

40, 124.861,
311.516

96, 7.068, 309.028

100, 0.508,
109.988

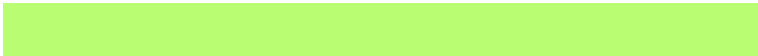
Harmonies

Complementary

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



61, 79.999, 311.678



93, 73.470, 126.302

Rectangle

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



61, 79.999, 311.678



61, 79.999, 1.678



61, 79.999, 131.678



61, 79.999, 181.678

Sweetspot

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



61, 79.998, 311.678



88, 23.934, 309.616



74, 40.461, 264.710



45, 16.053, 309.719



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 79.998, 311.678



55, 95.452, 312.144



69, 83.955, 326.768



49, 7.919, 309.241



30, 100.687, 311.709



6, 44.907, 312.681

Inverse Universe

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



67, 61.639, 349.475



63, 71.494, 351.507



90, 84.503, 139.414



50, 6.413, 344.022



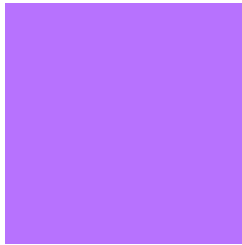
41, 68.328, 1.435



10, 31.938, 355.947

Previews

White Background



This preview shows how the CIELCh color 61, 79.999, 311.678 looks on a white background.

Color Contrast Check

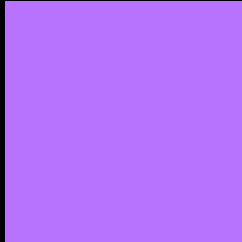
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 79.999, 311.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

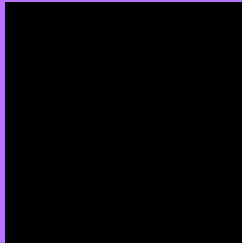
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 79.999, 311.678

Background



This preview shows how black text looks on a background with the CIELCh color 61, 79.999, 311.678.



This preview shows how white text looks on a background with the CIELCh color 61, 79.999, 311.678.

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
61, 10.895, 346.007

Trichromacy



Original Color
61, 79.999, 311.678



Protanomaly
60, 68.527, 296.122



Deuteranomaly
60, 64.135, 292.535



Tritanomaly
60, 35.692, 316.709

Monochromacy



Original Color
61, 79.999, 311.678



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 29.627, 310.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 79.999, 311.678 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(183, 114, 254)` looks like.

```
.text, #text, p{  
    color:rgb(183, 114, 254)  
}
```

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(183, 114, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 114, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 79.999, 311.678 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(183, 114, 254) }
```

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

```
.border{ border-color:rgb(183, 114, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 114, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 114, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 114, 254);  
box-shadow:4px 4px 4px 4px rgb(183, 114,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 79.999, 311.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 114, 254) }
```

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

```
.background{ background-color: rgb(183,  
114, 254) }
```

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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