

Converting Colors

CIELCh(61, 81.064, 311.317)

Have a look what the booklet for
CIELCh(61, 81.064, 311.317)
contains.

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Color

CIELCh(61, 80.472, 311.372)

Conversions

Conversions Part 1

Format	Color
Hex	B672FF
RGB	182, 114, 255
RGB Percent	71%, 45%, 100%
CMY	0.2858, 0.5525, 0.0000
CMYK	0.29, 0.55, 0.00, 0.00
HSL	269°, 100%, 72%
HSV	269°, 55%, 100%
XYZ	43.4205, 29.2481, 98.0704
YIQ	150.4060, -4.7330, 58.2670

Conversions

Conversions Part 2

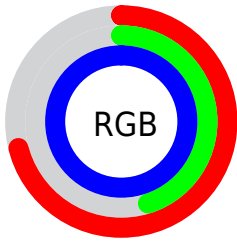
Format	Color
RYB	182, 114, 255
Decimal	11956991
CIELab	61.00, 53.19, -60.39
CIELCh	61, 80.472, 311.372
Yxy	29.2481, 0.2543, 0.1713
Android (android.graphics.Color)	4290147071 (0xFFB672FF)
YUV	150.4060, 51.5648, 27.7079
Hunter-Lab	54.0815, 48.6699, -69.6582

Details

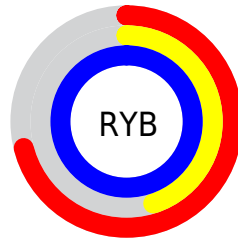
The CIELCh color `61, 80.472, 311.372` is a light color, and the websafe version is hex `9966FF`. A complement of this color would be `93, 73.658, 125.934`, and the grayscale version is `62, 0.008, 296.813`.

A 20% lighter version of the original color is `78, 52.284, 321.527`, and `41, 80.284, 311.477` is the 20% darker color. If you saturate the color by 10%, you get `55, 94.466, 311.835`, and if you desaturate by 10%, it is `68, 65.643, 310.842`.

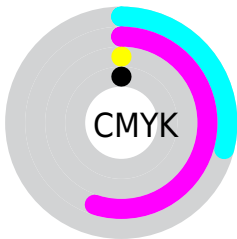
Distribution



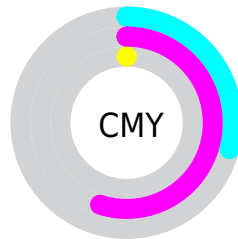
- Red (71%)
- Green (45%)
- Blue (100%)



- Red (71%)
- Yellow (45%)
- Blue (100%)



- Cyan (29%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 80.472, 311.372 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, 80.472, 311.372 by changing the saturation by 10% instead.


 61, 80.472,
311.372


 61, 80.472,
311.372


 100, 80.472,
311.372


 51, 80.472,
311.372


 81, 80.472,
311.372

 41, 80.472,
311.372

 91, 80.472,
311.372

 31, 80.472,
311.372

 21, 80.472,
311.372

 11, 80.472,
311.372

 1, 80.472, 311.372

 0, 80.472, 311.372

61, 80.472,
311.372

61, 80.472,
311.372

55, 94.466,
311.835

68, 65.643,
310.842

49, 107.015,
312.102

75, 50.698,
310.271

45, 117.011,
312.069

82, 35.885,
309.710

42, 123.478,
311.615

89, 21.375,
309.179

40, 125.523,
311.290

96, 7.254, 308.681

100, 0.012,
296.813

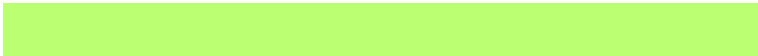
Harmonies

Complementary

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



61, 80.472, 311.372



93, 73.658, 125.934

Rectangle

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



61, 80.472, 311.372



61, 80.472, 1.372



61, 80.472, 131.372



61, 80.472, 181.372

Sweetspot

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



61, 80.408, 311.384



88, 23.889, 309.269



74, 39.822, 262.785



45, 16.024, 309.374



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, 80.408, 311.384



54, 95.473, 311.862



69, 84.180, 326.262



49, 7.903, 308.890



30, 100.907, 311.485



6, 44.914, 312.404

Inverse Universe

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



67, 62.279, 348.862



63, 71.821, 350.823



90, 84.582, 139.090



50, 6.457, 343.479



41, 68.462, 0.477



10, 32.042, 355.148

Previews

White Background



This preview shows how the CIELCh color 61, 80.472, 311.372 looks on a white background.

Color Contrast Check

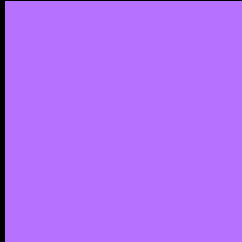
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.472, 311.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

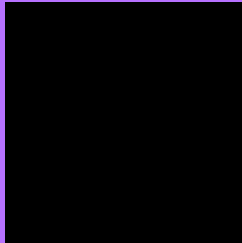
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 80.472, 311.372

Background



This preview shows how black text looks on a background with the CIELCh color 61, 80.472, 311.372.

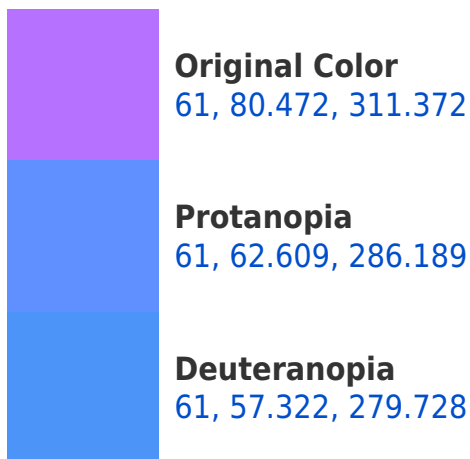


This preview shows how white text looks on a background with the CIELCh color 61, 80.472, 311.372.

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, 10.576, 344.746

Trichromacy



Original Color
61, 80.472, 311.372



Protanomaly
60, 68.536, 295.921



Deuteranomaly
60, 64.712, 292.231



Tritanomaly
60, 35.569, 316.160

Monochromacy



Original Color
61, 80.472, 311.372



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 30.062, 309.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 80.472, 311.372 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, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 114, 255)  
}
```

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, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 114, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 80.472, 311.372 is called "border". The border property can be set on classes, ids or directly on the HTML element.

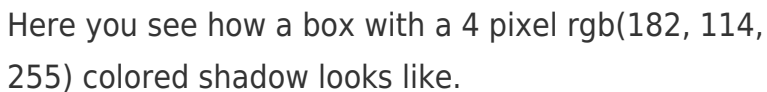
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 114, 255) }
```

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

```
.border{ border-color:rgb(182, 114, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 114, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 114, 255); box-shadow:4px 4px 4px 4px rgb(182, 114, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 80.472, 311.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 114, 255) }
```

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

```
.background{ background-color: rgb(182,  
114, 255) }
```

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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