

Converting Colors

CIELCh(63, 90.805, 310.317)

Have a look what the booklet for
CIELCh(63, 90.805, 310.317)
contains.

CIELCh(62, 80.025, 312.309)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(62, 80.025, 312.309)

Conversions

Conversions Part 1

Format	Color
Hex	BC74FF
RGB	188, 116, 255
RGB Percent	74%, 45%, 100%
CMY	0.2632, 0.5458, 0.0000
CMYK	0.26, 0.55, 0.00, 0.00
HSL	271°, 100%, 73%
HSV	271°, 55%, 100%
XYZ	45.1304, 30.4025, 98.8580
YIQ	153.3740, -1.7070, 58.4930

Conversions

Conversions Part 2

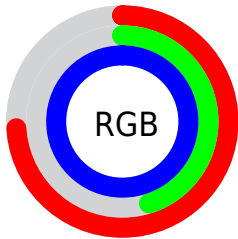
Format	Color
RYB	188, 116, 255
Decimal	12350719
CIELab	62.00, 53.87, -59.18
CIELCh	62, 80.025, 312.309
Yxy	30.4025, 0.2588, 0.1743
Android (android.graphics.Color)	4290540799 (0xFFBC74FF)
YUV	153.3740, 50.1016, 30.3670
Hunter-Lab	55.1385, 49.6085, -67.7043

Details

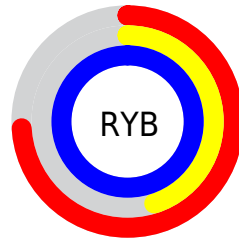
The CIELCh color $62, 80.025, 312.309$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $93, 73.566, 127.200$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 51.887, 323.503$, and $42, 79.116, 312.464$ is the 20% darker color. If you saturate the color by 10%, you get $56, 93.533, 312.801$, and if you desaturate by 10%, it is $69, 64.876, 311.908$.

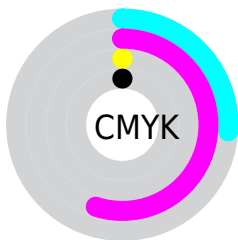
Distribution



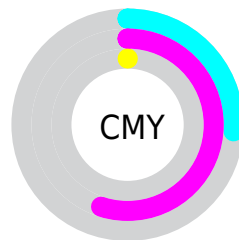
- Red (74%)
- Green (45%)
- Blue (100%)



- Red (74%)
- Yellow (45%)
- Blue (100%)



- Cyan (26%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 80.025, 312.309 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 62, 80.025, 312.309 by changing the saturation by 10% instead.


 62, 80.025,
312.309


 62, 80.025,
312.309


 100, 80.025,
312.309


 52, 80.025,
312.309


 82, 80.025,
312.309

 42, 80.025,
312.309

 92, 80.025,
312.309

 32, 80.025,
312.309

 22, 80.025,
312.309

 12, 80.025,
312.309

 2, 80.025, 312.309

 0, 80.025, 312.309

62, 80.025,
312.309

62, 80.025,
312.309

56, 93.533,
312.801

69, 64.876,
311.908

50, 105.956,
313.019

75, 49.949,
311.378

46, 115.856,
312.948

82, 35.116,
310.851

43, 122.315,
312.478

90, 20.560,
310.346

41, 124.561,
312.088

97, 6.375, 309.866

100, 0.012,
296.813

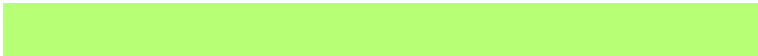
Harmonies

Complementary

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



62, 80.025, 312.309



93, 73.566, 127.200

Rectangle

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



62, 80.025, 312.309



62, 80.025, 2.309



62, 80.025, 132.309



62, 80.025, 182.309

Sweetspot

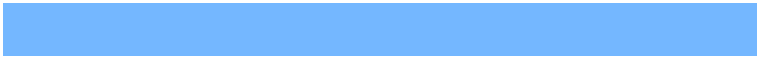
The Sweet Spot groups the original color and five complimentary colors.



62, 79.579, 312.401



89, 22.602, 310.416



73, 42.034, 268.264



46, 15.302, 310.518



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 79.579, 312.401



56, 94.088, 312.814



70, 82.833, 327.754



49, 7.960, 310.101



30, 100.146, 312.284



6, 44.879, 313.370

Inverse Universe

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



67, 60.571, 350.983



63, 69.940, 353.009



90, 83.551, 140.183



50, 6.307, 345.394



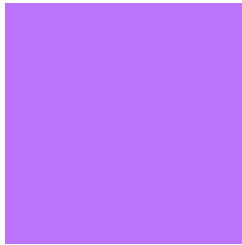
41, 68.093, 3.824



10, 31.712, 357.949

Previews

White Background



This preview shows how the CIELCh color 62, 80.025, 312.309 looks on a white background.

Color Contrast Check

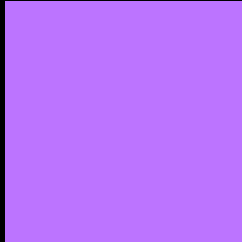
Large Text (above 18pt) WCAG AA × Fail

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 62, 80.025, 312.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

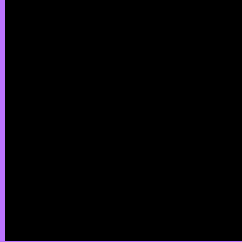
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 80.025, 312.309

Background



This preview shows how black text looks on a background with the CIELCh color 62, 80.025, 312.309.

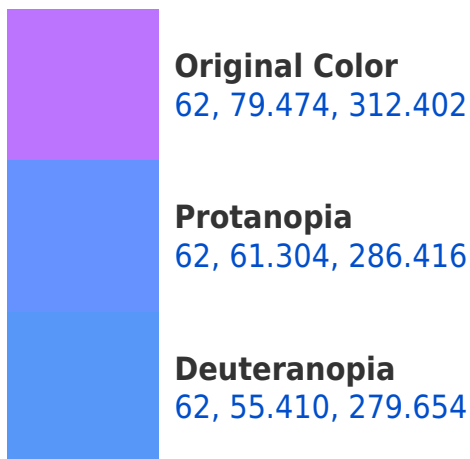



This preview shows how white text looks on a background with the CIELCh color 62, 80.025, 312.309.

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
62, 12.550, 351.368

Trichromacy



Original Color
62, 79.474, 312.402



Protanomaly
61, 67.267, 296.561



Deuteranomaly
61, 63.384, 293.188



Tritanomaly
61, 36.319, 319.407

Monochromacy



Original Color
62, 79.474, 312.402



Achromatopsia
63, 0.008, 296.813



Achromatomaly
62, 30.320, 311.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 80.025, 312.309 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(188, 116, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 116, 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(188, 116, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 116, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 80.025, 312.309 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(188, 116, 255) }
```

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

```
.border{ border-color:rgb(188, 116, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 116, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 116, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 116, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 116,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 80.025, 312.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 116, 255) }
```

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

```
.background{ background-color: rgb(188,  
116, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor