

Converting Colors

CIELCh(64, 94.777, 309.519)

Have a look what the booklet for
CIELCh(64, 94.777, 309.519)
contains.

CIELCh(62, 78.861, 312.060)	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, 78.861, 312.060)

Conversions

Conversions Part 1

Format	Color
Hex	BB75FF
RGB	187, 117, 255
RGB Percent	73%, 46%, 100%
CMY	0.2677, 0.5421, 0.0010
CMYK	0.27, 0.54, 0.00, 0.00
HSL	270°, 100%, 73%
HSV	270°, 54%, 100%
XYZ	44.7713, 30.4025, 97.8954
YIQ	153.6620, -2.5780, 57.7580

Conversions

Conversions Part 2

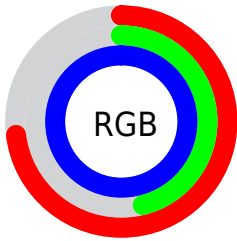
Format	Color
RYB	187, 117, 255
Decimal	12285439
CIELab	62.00, 52.83, -58.55
CIElCh	62, 78.861, 312.060
Yxy	30.4025, 0.2587, 0.1757
Android (android.graphics.Color)	4290475519 (0xFFBB75FF)
YUV	153.6620, 49.9596, 29.2374
Hunter-Lab	55.1385, 48.4458, -66.6692

Details

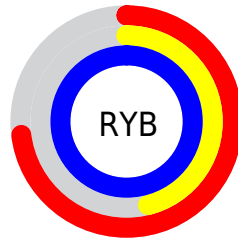
The CIELCh color **62, 78.861, 312.060** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **93, 72.775, 126.841**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 51.126, 323.096**, and **42, 78.592, 312.131** is the 20% darker color. If you saturate the color by 10%, you get **56, 92.899, 312.482**, and if you desaturate by 10%, it is **69, 64.125, 311.549**.

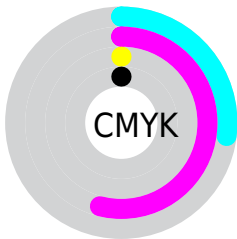
Distribution



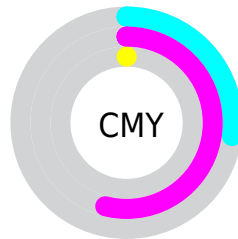
- Red (73%)
- Green (46%)
- Blue (100%)



- Red (73%)
- Yellow (46%)
- Blue (100%)



- Cyan (27%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (54%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 78.861, 312.060 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, 78.861, 312.060 by changing the saturation by 10% instead.

 62, 78.861,
312.060


 62, 78.861,
312.060


 100, 78.861,
312.060


 52, 78.861,
312.060


 82, 78.861,
312.060

 42, 78.861,
312.060

 92, 78.861,
312.060

 32, 78.861,
312.060

 22, 78.861,
312.060

 12, 78.861,
312.060

 2, 78.861, 312.060

 0, 78.861, 312.060

62, 78.861,
312.060

62, 78.861,
312.060

56, 92.899,
312.482

69, 64.125,
311.549

50, 105.473,
312.729

75, 49.204,
311.007

46, 115.584,
312.690

83, 34.405,
310.471

42, 122.278,
312.252

90, 19.897,
309.961

41, 124.756,
311.839

97, 5.770, 309.476

100, 0.121,
109.530

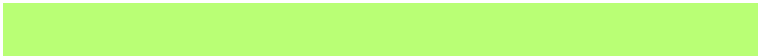
Harmonies

Complementary

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



62, 78.861, 312.060



93, 72.775, 126.841

Rectangle

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



62, 78.861, 312.060



62, 78.861, 2.060



62, 78.861, 132.060



62, 78.861, 182.060

Sweetspot

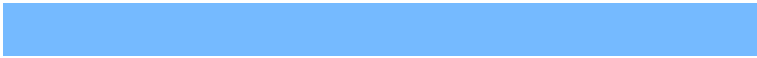
The Sweet Spot groups the original color and five complimentary colors.



62, 78.860, 312.060



88, 22.555, 310.053



74, 40.771, 266.310



46, 15.271, 310.156



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, 78.860, 312.060



55, 94.099, 312.511



70, 83.141, 327.239



49, 7.942, 309.735



30, 100.377, 312.034



6, 44.893, 313.075

Inverse Universe

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



68, 60.417, 350.223



63, 70.255, 352.273



90, 83.782, 139.824



50, 6.352, 344.801



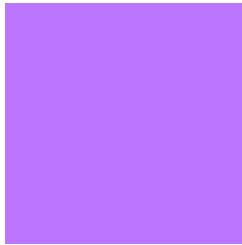
41, 68.177, 2.799



10, 31.803, 357.087

Previews

White Background



This preview shows how the CIELCh color 62, 78.861, 312.060 looks on a white background.

Color Contrast Check

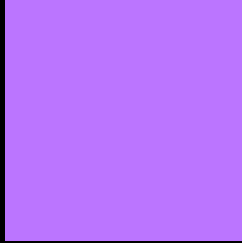
Large Text (above 18pt) WCAG AA × Fail

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, 78.861, 312.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

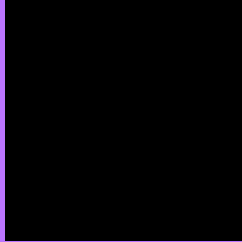
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 78.861, 312.060

Background



This preview shows how black text looks on a background with the CIELCh color 62, 78.861, 312.060.



This preview shows how white text looks on a background with the CIELCh color 62, 78.861, 312.060.

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, 11.856, 349.381

Trichromacy



Original Color
62, 78.861, 312.060



Protanomaly
61, 66.658, 296.261



Deuteranomaly
61, 62.241, 292.745



Tritanomaly
61, 35.874, 317.786

Monochromacy



Original Color
62, 78.861, 312.060



Achromatopsia
63, 0.008, 296.813



Achromatomaly
62, 29.559, 310.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 78.861, 312.060 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(187, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 117, 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(187, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 117, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 78.861, 312.060 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(187, 117, 255) }
```

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

```
.border{ border-color:rgb(187, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 117,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 78.861, 312.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 117, 255) }
```

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

```
.background{ background-color: rgb(187,  
117, 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