

Converting Colors

CIELCh(68, 105.991, 304.942)

Have a look what the booklet for
CIELCh(68, 105.991, 304.942)
contains.

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Color

CIELCh(64, 70.136, 307.388)

Conversions

Conversions Part 1

Format	Color
Hex	B083FF
RGB	176, 131, 255
RGB Percent	69%, 51%, 100%
CMY	0.3087, 0.4853, 0.0000
CMYK	0.31, 0.49, 0.00, 0.00
HSL	262°, 100%, 76%
HSV	262°, 49%, 100%
XYZ	44.2137, 32.8017, 98.8484
YIQ	158.5910, -12.9840, 48.1040

Conversions

Conversions Part 2

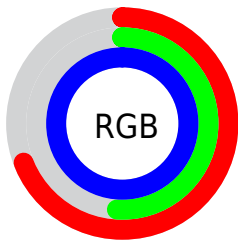
Format	Color
R_{YB}	176, 131, 255
Decimal	11568127
CIE _{Lab}	64.00, 42.59, -55.73
CIE _{LCh}	64, 70.136, 307.388
Yxy	32.8017, 0.2514, 0.1865
Android (android.graphics.Color)	4289758207 (0xFFB083FF)
YUV	158.5910, 47.5296, 15.2677
Hunter-Lab	57.2727, 37.5721, -62.2391

Details

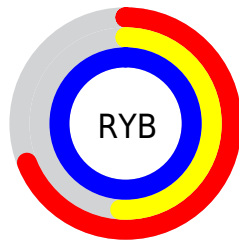
The CIELCh color **64, 70.136, 307.388** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **95, 63.491, 121.648**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 40.745, 316.918**, and **44, 70.477, 307.283** is the 20% darker color. If you saturate the color by 10%, you get **57, 84.989, 308.176**, and if you desaturate by 10%, it is **71, 54.908, 306.637**.

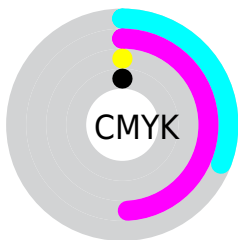
Distribution



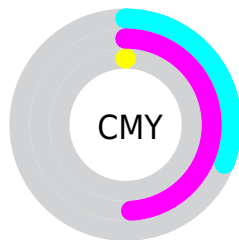
- Red (69%)
- Green (51%)
- Blue (100%)



- Red (69%)
- Yellow (51%)
- Blue (100%)



- Cyan (31%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 70.136, 307.388 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 64, 70.136, 307.388 by changing the saturation by 10% instead.

 64, 70.136,
307.388

 64, 70.136,
307.388

 100, 70.136,
307.388

 54, 70.136,
307.388

 84, 70.136,
307.388

 44, 70.136,
307.388

 94, 70.136,
307.388

 34, 70.136,
307.388

 24, 70.136,
307.388

 14, 70.136,
307.388

 4, 70.136, 307.388

 0, 70.136, 307.388

■ 64, 70.136,
307.388

■ 64, 70.136,
307.388

■ 57, 84.989,
308.176

■ 71, 54.908,
306.637

■ 51, 99.336,
308.863

■ 79, 40.061,
305.905

■ 45, 112.086,
309.348

■ 86, 25.599,
305.234

■ 40, 121.957,
309.471

■ 94, 11.588,
304.629

■ 37, 127.946,
309.116

■ 100, 0.012,
296.813

■ 37, 128.662,
309.055

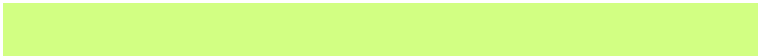
Harmonies

Complementary

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



64, 70.136, 307.388



95, 63.491, 121.648

Rectangle

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



64, 70.136, 307.388



64, 70.136, 357.388



64, 70.136, 127.388



64, 70.136, 177.388

Sweetspot

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



64, 69.988, 307.409



89, 20.605, 305.013



81, 31.702, 245.238



46, 14.107, 305.144



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 69.988, 307.409



57, 84.208, 308.137



70, 73.677, 322.437



49, 7.739, 304.685



27, 103.411, 309.229



5, 44.856, 309.265

Inverse Universe

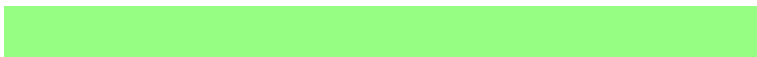
The Inverse Universe completely reimagines the original color for something new.



71, 59.424, 341.216



67, 69.333, 342.335



92, 72.800, 137.199



50, 7.014, 337.651



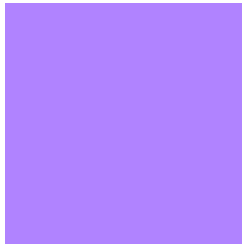
42, 71.599, 349.930



11, 33.764, 346.454

Previews

White Background



This preview shows how the CIELCh color 64, 70.136, 307.388 looks on a white background.

Color Contrast Check

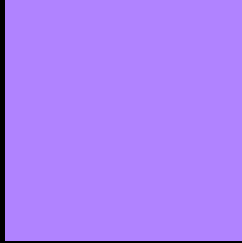
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 70.136, 307.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

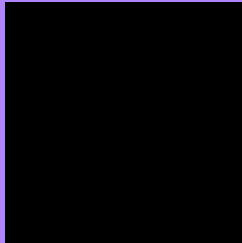
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 70.136, 307.388

Background



This preview shows how black text looks on a background with the CIELCh color 64, 70.136, 307.388.

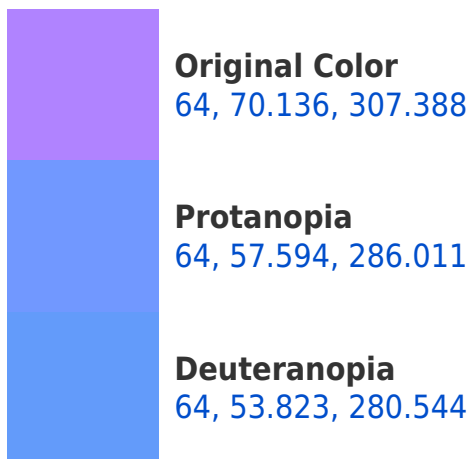



This preview shows how white text looks on a background with the CIELCh color 64, 70.136, 307.388.

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
64, 7.098, 309.370

Trichromacy



Original Color
64, 70.136, 307.388



Protanomaly
64, 61.795, 294.367



Deuteranomaly
63, 59.102, 291.254



Tritanomaly
64, 30.559, 306.214

Monochromacy



Original Color
64, 70.136, 307.388



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 25.824, 305.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 70.136, 307.388 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(176, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 131, 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(176, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 131, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 70.136, 307.388 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(176, 131, 255) }
```

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

```
.border{ border-color:rgb(176, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 131, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 131, 255); box-shadow:4px 4px 4px 4px rgb(176, 131, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 70.136, 307.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 131, 255) }
```

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

```
.background{ background-color: rgb(176,  
131, 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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