

Converting Colors

CIELCh(72, 126.477, 305.584)

Have a look what the booklet for
CIELCh(72, 126.477, 305.584)
contains.

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Color

CIELCh(65, 70.512, 310.076)

Conversions

Conversions Part 1

Format	Color
Hex	BB83FF
RGB	187, 131, 255
RGB Percent	73%, 51%, 100%
CMY	0.2664, 0.4860, 0.0000
CMYK	0.27, 0.49, 0.00, 0.00
HSL	267°, 100%, 76%
HSV	267°, 49%, 100%
XYZ	46.6961, 34.0472, 98.7770
YIQ	161.8800, -6.4280, 50.4360

Conversions

Conversions Part 2

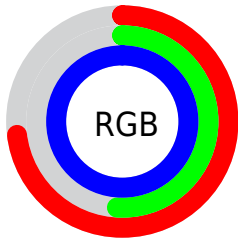
Format	Color
RYB	187, 131, 255
Decimal	12289023
CIELab	65.00, 45.40, -53.96
CIElCh	65, 70.512, 310.076
Yxy	34.0472, 0.2601, 0.1897
Android (android.graphics.Color)	4290479103 (0xFFBB83FF)
YUV	161.8800, 45.9082, 22.0302
Hunter-Lab	58.3500, 40.7371, -59.5233

Details

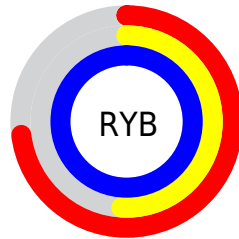
The CIELCh color $65, 70.512, 310.076$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 64.948, 125.044$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 42.260, 321.774$, and $45, 70.510, 309.860$ is the 20% darker color. If you saturate the color by 10%, you get $58, 85.179, 310.658$, and if you desaturate by 10%, it is $72, 55.508, 309.471$.

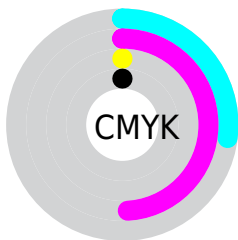
Distribution



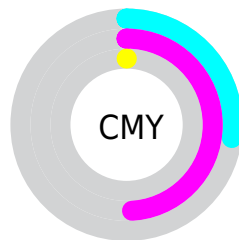
- Red (73%)
- Green (51%)
- Blue (100%)



- Red (73%)
- Yellow (51%)
- Blue (100%)



- Cyan (27%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (49%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 70.512, 310.076 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 65, 70.512, 310.076 by changing the saturation by 10% instead.


 65, 70.512,
310.076


 65, 70.512,
310.076


 100, 70.512,
310.076


 55, 70.512,
310.076


 85, 70.512,
310.076

 45, 70.512,
310.076


 95, 70.512,
310.076

 35, 70.512,
310.076

 25, 70.512,
310.076

 15, 70.512,
310.076

 5, 70.512, 310.076

 0, 70.512, 310.076

■ 65, 70.512,
310.076

■ 65, 70.512,
310.076

■ 58, 85.179,
310.658

■ 72, 55.508,
309.471

■ 52, 99.016,
311.122

■ 79, 40.637,
308.867

■ 47, 111.077,
311.369

■ 86, 26.059,
308.296

■ 43, 120.234,
311.266

■ 94, 11.871,
307.769

■ 40, 125.733,
310.725

■ 100, 0.012,
296.813

■ 39, 126.363,
310.640

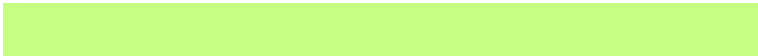
Harmonies

Complementary

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



65, 70.512, 310.076



94, 64.948, 125.044

Rectangle

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



65, 70.512, 310.076



65, 70.512, 0.076



65, 70.512, 130.076



65, 70.512, 180.076

Sweetspot

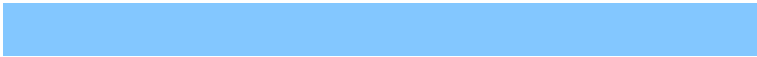
The Sweet Spot groups the original color and five complimentary colors.



65, 70.475, 310.083



89, 20.901, 308.101



78, 34.702, 258.774



46, 14.305, 308.215



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 70.475, 310.083



59, 84.311, 310.625



72, 75.043, 325.495



49, 7.857, 307.815



29, 101.573, 310.832



6, 44.922, 311.567

Inverse Universe

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



71, 56.459, 346.022



66, 65.944, 347.404



91, 75.058, 139.437



50, 6.594, 341.872



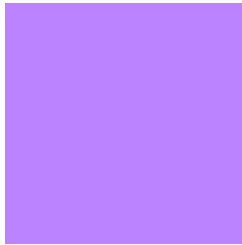
41, 69.007, 357.609



11, 32.404, 352.770

Previews

White Background



This preview shows how the CIELCh color 65, 70.512, 310.076 looks on a white background.

Color Contrast Check

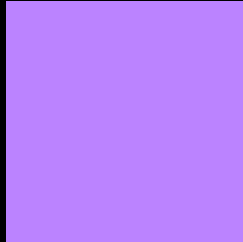
Large Text (above 18pt) WCAG AA × Fail

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 65, 70.512, 310.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

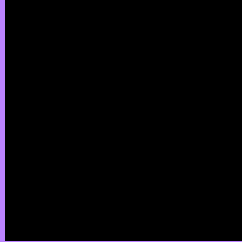
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 70.512, 310.076

Background



This preview shows how black text looks on a background with the CIELCh color 65, 70.512, 310.076.



This preview shows how white text looks on a background with the CIELCh color 65, 70.512, 310.076.

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
65, 9.227, 338.860

Trichromacy



Original Color
65, 70.512, 310.076



Protanomaly
65, 60.542, 295.387



Deuteranomaly
64, 57.241, 292.609



Tritanomaly
65, 31.189, 314.135

Monochromacy



Original Color
65, 70.512, 310.076



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 26.097, 308.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 70.512, 310.076 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, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 131, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 70.512, 310.076 is called "border". The border property can be set on classes, ids or directly on the HTML element.

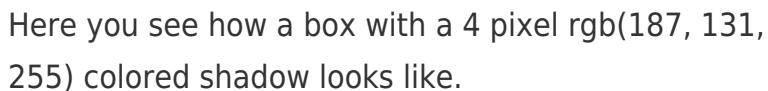
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 131, 255) }
```

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

```
.border{ border-color:rgb(187, 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(187, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 131, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 131, 255); box-shadow:4px 4px 4px 4px rgb(187, 131, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 70.512, 310.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 131, 255) }
```

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

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