

Converting Colors

CIELCh(70, 93.737, 305.361)

Have a look what the booklet for
CIELCh(70, 93.737, 305.361)
contains.

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Color

CIELCh(67, 65.010, 308.526)

Conversions

Conversions Part 1

Format	Color
Hex	BB8CFF
RGB	187, 140, 255
RGB Percent	73%, 55%, 100%
CMY	0.2659, 0.4503, 0.0000
CMYK	0.27, 0.45, 0.00, 0.00
HSL	265°, 100%, 77%
HSV	265°, 45%, 100%
XYZ	48.0286, 36.6320, 99.3169
YIQ	167.1630, -8.9030, 45.7290

Conversions

Conversions Part 2

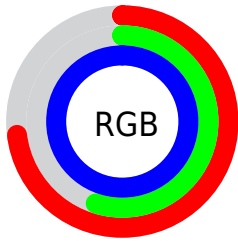
Format	Color
RYB	187, 140, 255
Decimal	12291327
CIELab	67.00, 40.49, -50.86
CIElCh	67, 65.010, 308.526
Yxy	36.6320, 0.2611, 0.1991
Android (android.graphics.Color)	4290481407 (0xFFBB8CFF)
YUV	167.1630, 43.3036, 17.3970
Hunter-Lab	60.5244, 35.7297, -54.9243

Details

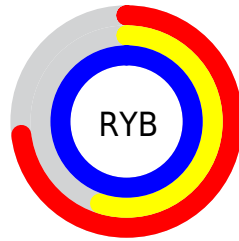
The CIELCh color $67, 65.010, 308.526$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $95, 59.809, 123.590$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 36.601, 320.976$, and $47, 64.999, 308.468$ is the 20% darker color. If you saturate the color by 10%, you get $60, 79.867, 309.221$, and if you desaturate by 10%, it is $74, 49.913, 307.866$.

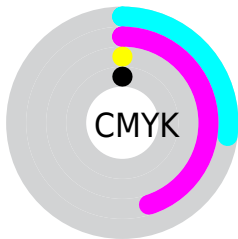
Distribution



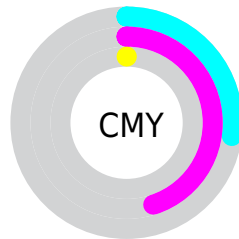
- Red (73%)
- Green (55%)
- Blue (100%)



- Red (73%)
- Yellow (55%)
- Blue (100%)



- Cyan (27%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 65.010, 308.526 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 67, 65.010, 308.526 by changing the saturation by 10% instead.

67, 65.010,
308.526

67, 65.010,
308.526

100, 65.010,
308.526

57, 65.010,
308.526

87, 65.010,
308.526

47, 65.010,
308.526

97, 65.010,
308.526

37, 65.010,
308.526

27, 65.010,
308.526

17, 65.010,
308.526

7, 65.010, 308.526

0, 65.010, 308.526

67, 65.010,
308.526

67, 65.010,
308.526

60, 79.867,
309.221

74, 49.913,
307.866

54, 94.312,
309.830

81, 35.162,
307.219

48, 107.435,
310.273

89, 20.787,
306.623

43, 118.110,
310.413

96, 6.846, 306.077

39, 125.170,
310.107

100, 0.012,
296.813

38, 127.495,
309.827

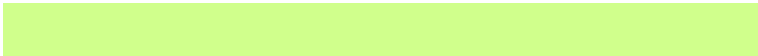
Harmonies

Complementary

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



67, 65.010, 308.526



95, 59.809, 123.590

Rectangle

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



67, 65.010, 308.526



67, 65.010, 358.526



67, 65.010, 128.526



67, 65.010, 178.526

Sweetspot

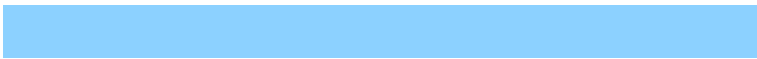
The Sweet Spot groups the original color and five complimentary colors.



67, 64.905, 308.545



90, 19.337, 306.565



81, 30.834, 251.351



46, 13.395, 306.688



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 64.905, 308.545



61, 78.347, 309.154



73, 69.297, 323.835



49, 7.797, 306.317



28, 102.476, 310.012



5, 44.904, 310.439

Inverse Universe

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



73, 53.914, 343.207



68, 63.558, 344.330



92, 68.880, 138.664



50, 6.792, 339.771



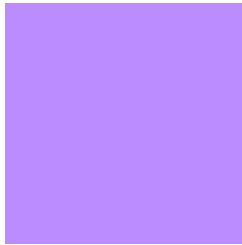
42, 70.074, 353.803



11, 33.002, 349.633

Previews

White Background



This preview shows how the CIELCh color 67, 65.010, 308.526 looks on a white background.

Color Contrast Check

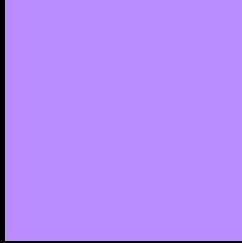
Large Text (above 18pt) WCAG AA × Fail

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 67, 65.010, 308.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

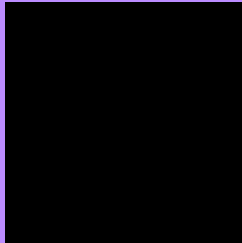
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 65.010, 308.526

Background



This preview shows how black text looks on a background with the CIELCh color 67, 65.010, 308.526.

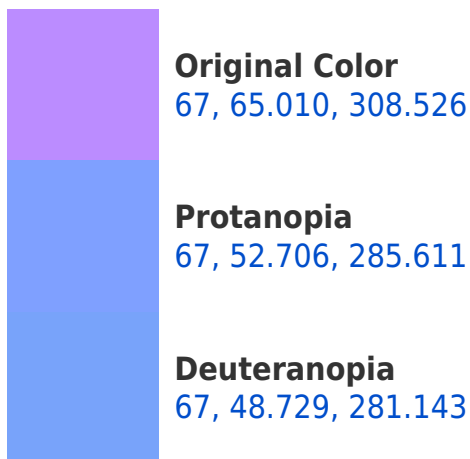



This preview shows how white text looks on a background with the CIELCh color 67, 65.010, 308.526.

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
67, 8.732, 324.823

Trichromacy



Original Color
67, 65.010, 308.526



Protanomaly
67, 56.319, 294.511



Deuteranomaly
67, 53.559, 292.104



Tritanomaly
67, 29.271, 310.914

Monochromacy



Original Color
67, 65.010, 308.526



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 24.075, 306.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 65.010, 308.526 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, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 140, 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, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 140, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 65.010, 308.526 is called "border". The border property can be set on classes, ids or directly on the HTML element.

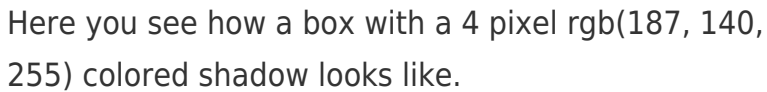
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 140, 255) }
```

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

```
.border{ border-color:rgb(187, 140, 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, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 140, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 140, 255); box-shadow:4px 4px 4px 4px rgb(187, 140, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 65.010, 308.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 140, 255) }
```

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

```
.background{ background-color: rgb(187,  
140, 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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