

Converting Colors

CIELCh(66, 66.620, 307.508)

Have a look what the booklet for
CIELCh(66, 66.620, 307.508)
contains.

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Color

CIELCh(66, 66.042, 307.576)

Conversions

Conversions Part 1

Format	Color
Hex	B68AFF
RGB	182, 138, 255
RGB Percent	71%, 54%, 100%
CMY	0.2864, 0.4590, 0.0002
CMYK	0.29, 0.46, 0.00, 0.00
HSL	263°, 100%, 77%
HSV	263°, 46%, 100%
XYZ	46.4083, 35.3238, 98.9458
YIQ	164.4940, -11.3330, 45.7150

Conversions

Conversions Part 2

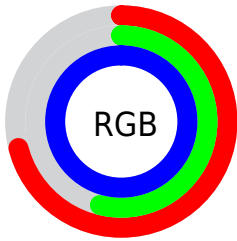
Format	Color
R _Y B	182, 138, 255
Decimal	11963135
CIE Lab	66.00, 40.27, -52.34
CIE LCh	66, 66.042, 307.576
Yxy	35.3238, 0.2569, 0.1955
Android (android.graphics.Color)	4290153215 (0xFFB68AFF)
YUV	164.4940, 44.6195, 15.3528
Hunter-Lab	59.4338, 35.3708, -57.1026

Details

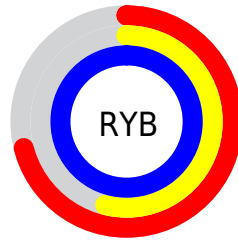
The CIELCh color **66, 66.042, 307.576** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **95, 60.411, 122.249**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 37.130, 318.741**, and **46, 66.177, 307.573** is the 20% darker color. If you saturate the color by 10%, you get **59, 81.071, 308.322**, and if you desaturate by 10%, it is **73, 51.012, 306.836**.

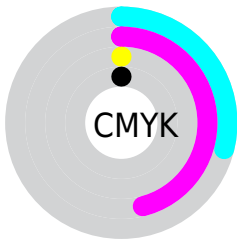
Distribution



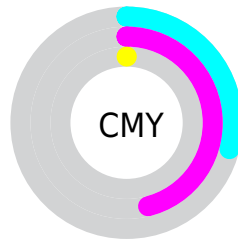
- Red (71%)
- Green (54%)
- Blue (100%)



- Red (71%)
- Yellow (54%)
- Blue (100%)



- Cyan (29%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (46%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 66.042, 307.576 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 66, 66.042, 307.576 by changing the saturation by 10% instead.


 66, 66.042,
307.576


 66, 66.042,
307.576


 100, 66.042,
307.576


 56, 66.042,
307.576


 86, 66.042,
307.576

 46, 66.042,
307.576

 96, 66.042,
307.576

 36, 66.042,
307.576

 26, 66.042,
307.576

 16, 66.042,
307.576

 6, 66.042, 307.576

 0, 66.042, 307.576

66, 66.042,
307.576

66, 66.042,
307.576

59, 81.071,
308.322

73, 51.012,
306.836

52, 95.604,
309.007

81, 36.253,
306.137

47, 108.803,
309.523

88, 21.892,
305.498

42, 119.471,
309.722

96, 7.983, 304.920

38, 126.379,
309.451

100, 0.009,
101.224

37, 128.342,
309.251

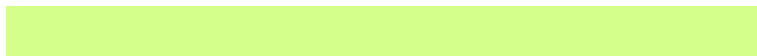
Harmonies

Complementary

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



66, 66.042, 307.576



95, 60.411, 122.249

Rectangle

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



66, 66.042, 307.576



66, 66.042, 357.576



66, 66.042, 127.576



66, 66.042, 177.576

Sweetspot

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



66, 66.041, 307.576



90, 19.234, 305.385



82, 30.555, 246.972



46, 13.326, 305.515



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 66.041, 307.576



60, 79.758, 308.257



72, 70.108, 322.852



49, 7.754, 305.123



27, 103.166, 309.428



5, 44.871, 309.574

Inverse Universe

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



72, 56.013, 341.549



68, 65.855, 342.617



92, 69.418, 137.807



50, 6.954, 338.204



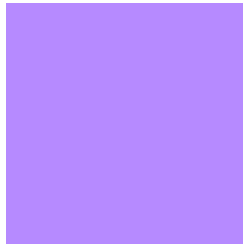
42, 71.155, 350.941



11, 33.549, 347.283

Previews

White Background



This preview shows how the CIELCh color 66, 66.042, 307.576 looks on a white background.

Color Contrast Check

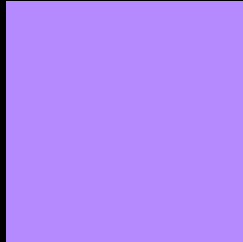
Large Text (above 18pt) WCAG AA × Fail

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 66, 66.042, 307.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

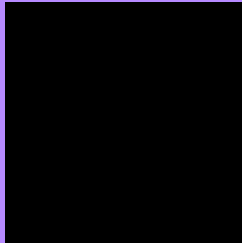
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 66.042, 307.576

Background



This preview shows how black text looks on a background with the CIELCh color 66, 66.042, 307.576.



This preview shows how white text looks on a background with the CIELCh color 66, 66.042, 307.576.

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
66, 8.003, 315.782

Trichromacy



Original Color
66, 66.042, 307.576



Protanomaly
66, 58.138, 294.253



Deuteranomaly
66, 55.398, 291.657



Tritanomaly
66, 29.482, 307.963

Monochromacy



Original Color
66, 66.042, 307.576



Achromatopsia
67, 0.008, 296.813



Achromatomaly
67, 24.045, 305.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 66.042, 307.576 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(182, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 138, 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(182, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 138, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 66.042, 307.576 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(182, 138, 255) }
```

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

```
.border{ border-color:rgb(182, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 138,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 66.042, 307.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 138, 255) }
```

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

```
.background{ background-color: rgb(182,  
138, 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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