

Converting Colors

CIELCh(67, 71.391, 299.340)

Have a look what the booklet for
CIELCh(67, 71.391, 299.340)
contains.

CIELCh(66, 59.957, 298.968)	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(66, 59.957, 298.968)

Conversions

Conversions Part 1

Format	Color
Hex	9E93FF
RGB	158, 147, 255
RGB Percent	62%, 58%, 100%
CMY	0.3807, 0.4238, 0.0003
CMYK	0.38, 0.42, 0.00, 0.00
HSL	246°, 100%, 79%
HSV	246°, 42%, 100%
XYZ	42.5478, 35.3238, 99.1214
YIQ	162.6010, -28.1120, 35.9200

Conversions

Conversions Part 2

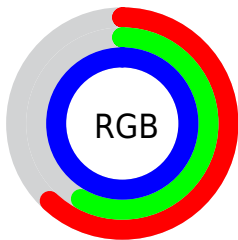
Format	Color
R_{YB}	158, 147, 255
Decimal	10392575
CIE _{Lab}	66.00, 29.04, -52.46
CIE _{LCh}	66, 59.957, 298.968
Yxy	35.3238, 0.2404, 0.1996
Android (android.graphics.Color)	4288582655 (0xFF9E93FF)
YUV	162.6010, 45.5527, -4.0351
Hunter-Lab	59.4338, 23.7764, -57.2778

Details

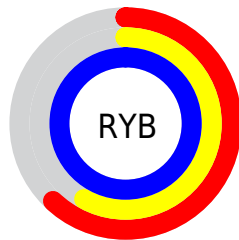
The CIELCh color **66, 59.957, 298.968** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **97, 53.709, 110.735**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 29.085, 302.399**, and **46, 60.367, 299.189** is the 20% darker color. If you saturate the color by 10%, you get **58, 75.524, 300.549**, and if you desaturate by 10%, it is **74, 44.876, 297.559**.

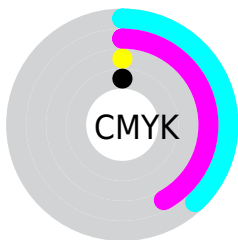
Distribution



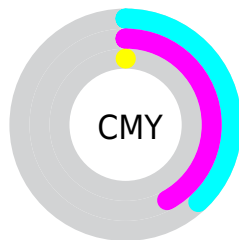
- Red (62%)
- Green (58%)
- Blue (100%)



- Red (62%)
- Yellow (58%)
- Blue (100%)



- Cyan (38%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (42%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 59.957, 298.968 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, 59.957, 298.968 by changing the saturation by 10% instead.


 66, 59.957,
298.968


 66, 59.957,
298.968

 100, 59.957,
298.968


 56, 59.957,
298.968


 86, 59.957,
298.968

 46, 59.957,
298.968

 96, 59.957,
298.968

 36, 59.957,
298.968

 26, 59.957,
298.968

 16, 59.957,
298.968

 6, 59.957, 298.968

 0, 59.957, 298.968

66, 59.957,
298.968

66, 59.957,
298.968

58, 75.524,
300.549

74, 44.876,
297.559

51, 91.290,
302.246

82, 30.374,
296.331

44, 106.539,
303.927

90, 16.455,
295.276

38, 119.869,
305.362

98, 3.090, 294.382

34, 129.259,
306.260

100, 0.025,
107.125

33, 133.217,
306.549

Harmonies

Complementary

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



66, 59.957, 298.968



97, 53.709, 110.735

Rectangle

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



66, 59.957, 298.968



66, 59.957, 348.968



66, 59.957, 118.968



66, 59.957, 168.968

Sweetspot

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



66, 59.956, 298.968



90, 17.331, 295.339



91, 29.580, 208.649



46, 12.181, 295.560



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, 59.956, 298.968



59, 73.401, 300.325



71, 62.181, 314.396



49, 7.528, 295.004



23, 107.210, 306.615



4, 44.363, 303.751

Inverse Universe

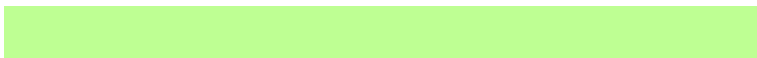
The Inverse Universe completely reimagines the original color for something new.



75, 62.379, 329.825



71, 73.836, 330.322



94, 59.351, 130.481



50, 8.446, 327.857



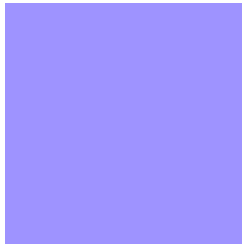
44, 85.922, 332.763



12, 39.910, 332.163

Previews

White Background



This preview shows how the CIELCh color 66, 59.957, 298.968 looks on a white background.

Color Contrast Check

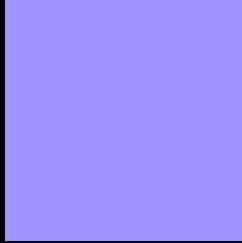
Large Text (above 18pt) WCAG AA × Fail

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, 59.957, 298.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

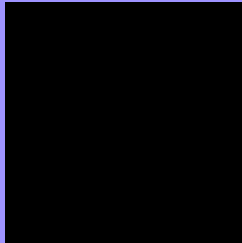
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 59.957, 298.968

Background



This preview shows how black text looks on a background with the CIELCh color 66, 59.957, 298.968.



This preview shows how white text looks on a background with the CIELCh color 66, 59.957, 298.968.

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, 10.949, 240.209

Trichromacy



Original Color
66, 59.957, 298.968

Protanomaly
66, 56.483, 290.777

Deuteranomaly
66, 54.436, 287.619

Tritanomaly
66, 26.214, 284.923

Monochromacy



Original Color
66, 59.957, 298.968

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 21.711, 296.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 59.957, 298.968 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(158, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 147, 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(158, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 147, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 59.957, 298.968 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(158, 147, 255) }
```

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

```
.border{ border-color:rgb(158, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 147,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 59.957, 298.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 147, 255) }
```

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

```
.background{ background-color: rgb(158,  
147, 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