

Converting Colors

CIELCh(66, 95.416, 301.100)

Have a look what the booklet for
CIELCh(66, 95.416, 301.100)
contains.

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Color

CIELCh(63, 67.258, 300.794)

Conversions

Conversions Part 1

Format	Color
Hex	9988FF
RGB	153, 136, 255
RGB Percent	60%, 53%, 100%
CMY	0.4005, 0.4675, 0.0000
CMYK	0.40, 0.47, 0.00, 0.00
HSL	249°, 100%, 77%
HSV	249°, 47%, 100%
XYZ	40.0820, 31.5869, 99.3476
YIQ	154.6490, -28.0670, 40.6130

Conversions

Conversions Part 2

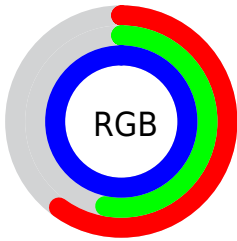
Format	Color
R_{YB}	153, 136, 255
Decimal	10062079
CIE _{Lab}	63.00, 34.43, -57.78
CIE _{LCh}	63, 67.258, 300.794
Yxy	31.5869, 0.2344, 0.1847
Android (android.graphics.Color)	4288252159 (0xFF9988FF)
YUV	154.6490, 49.4730, -1.4462
Hunter-Lab	56.2022, 28.9476, -65.4642

Details

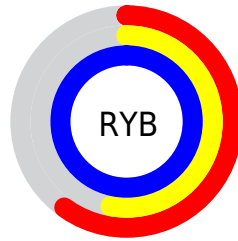
The CIELCh color $63, 67.258, 300.794$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $97, 59.123, 112.297$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 35.451, 304.299$, and $43, 66.846, 300.817$ is the 20% darker color. If you saturate the color by 10%, you get $55, 82.401, 302.269$, and if you desaturate by 10%, it is $71, 51.500, 299.450$.

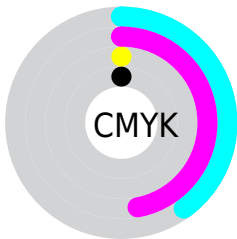
Distribution



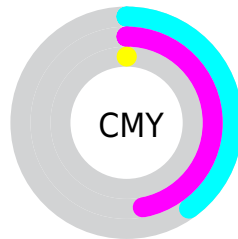
- Red (60%)
- Green (53%)
- Blue (100%)



- Red (60%)
- Yellow (53%)
- Blue (100%)



- Cyan (40%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (47%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 67.258, 300.794 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 63, 67.258, 300.794 by changing the saturation by 10% instead.


 63, 67.258,
300.794


 63, 67.258,
300.794


 100, 67.258,
300.794


 53, 67.258,
300.794


 83, 67.258,
300.794

 43, 67.258,
300.794

 93, 67.258,
300.794

 33, 67.258,
300.794

 23, 67.258,
300.794

 13, 67.258,
300.794

 3, 67.258, 300.794

 0, 67.258, 300.794

63, 67.258,
300.794

63, 67.258,
300.794

55, 82.401,
302.269

71, 51.500,
299.450

48, 97.918,
303.786

79, 36.741,
298.258

42, 112.367,
305.190

87, 22.548,
297.222

37, 124.106,
306.235

95, 8.912, 296.330

34, 131.262,
306.674

100, 0.012,
296.813

33, 132.828,
306.748

Harmonies

Complementary

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



63, 67.258, 300.794



97, 59.123, 112.297

Rectangle

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



63, 67.258, 300.794



63, 67.258, 350.794



63, 67.258, 120.794



63, 67.258, 170.794

Sweetspot

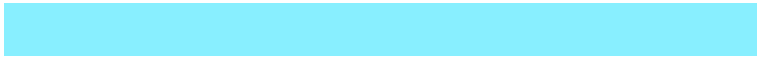
The Sweet Spot groups the original color and five complimentary colors.



63, 66.778, 300.797



89, 18.746, 296.963



89, 31.109, 213.167



46, 12.997, 297.165



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 66.778, 300.797



56, 81.228, 302.156



69, 68.944, 315.631



49, 7.547, 296.562



24, 106.843, 306.834



4, 44.448, 304.506

Inverse Universe

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



73, 66.441, 331.526



69, 77.741, 332.113



93, 65.865, 131.331



50, 8.205, 329.172



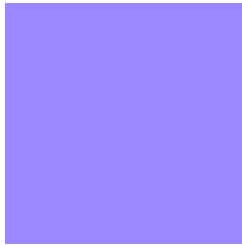
44, 83.186, 334.919



12, 38.785, 334.001

Previews

White Background



This preview shows how the CIELCh color 63, 67.258, 300.794 looks on a white background.

Color Contrast Check

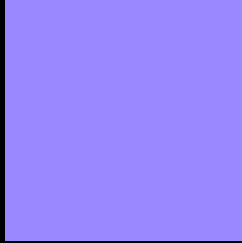
Large Text (above 18pt) WCAG AA × Fail

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 63, 67.258, 300.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

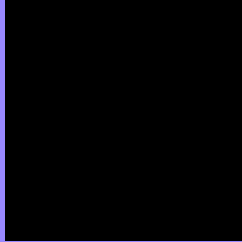
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 67.258, 300.794

Background



This preview shows how black text looks on a background with the CIELCh color 63, 67.258, 300.794.



This preview shows how white text looks on a background with the CIELCh color 63, 67.258, 300.794.

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
63, 10.698, 237.883

Trichromacy



Original Color
63, 66.651, 300.772

Protanomaly
63, 61.958, 291.645

Deuteranomaly
63, 58.856, 287.481

Tritanomaly
63, 28.632, 287.320

Monochromacy



Original Color
63, 66.651, 300.772

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 24.842, 298.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 67.258, 300.794 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(153, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 136, 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(153, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 136, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 67.258, 300.794 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(153, 136, 255) }
```

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

```
.border{ border-color:rgb(153, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 136,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 67.258, 300.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 136, 255) }
```

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

```
.background{ background-color: rgb(153,  
136, 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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