

# Converting Colors

CIELCh(67, 56.316, 297.034)

Have a look what the booklet for  
CIELCh(67, 56.316, 297.034)  
contains.

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**Color**

**CIELCh(67, 56.376, 297.078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9D98FE
RGB	157, 152, 254
RGB Percent	62%, 60%, 100%
CMY	0.3855, 0.4051, 0.0052
CMYK	0.38, 0.40, 0.00, 0.01
HSL	243°, 97%, 79%
HSV	243°, 40%, 99%
XYZ	42.8604, 36.6320, 98.3027
YIQ	165.1230, -29.7620, 32.7820

# Conversions

## Conversions Part 2

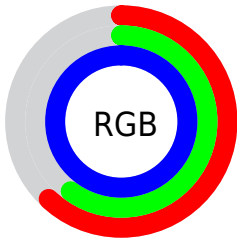
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 152, 254
Decimal	10328318
CIE Lab	67.00, 25.66, -50.20
CIE LCh	67, 56.376, 297.078
Yxy	36.6320, 0.2411, 0.2060
Android (android.graphics.Color)	4288518398 (0xFF9D98FE)
YUV	165.1230, 43.8164, -7.1239
Hunter-Lab	60.5244, 20.4875, -53.9308

# Details

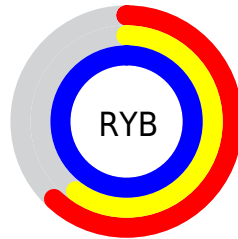
The CIELCh color  $67, 56.376, 297.078$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $97, 50.759, 108.510$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $85, 26.070, 298.903$ , and  $47, 56.591, 297.176$  is the 20% darker color. If you saturate the color by 10%, you get  $59, 71.854, 298.834$ , and if you desaturate by 10%, it is  $75, 41.458, 295.538$ .

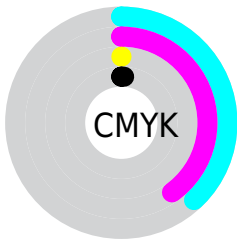
# Distribution



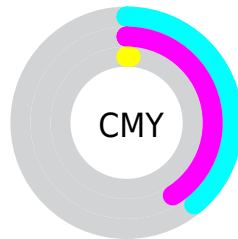
- Red (62%)
- Green (60%)
- Blue (100%)



- Red (62%)
- Yellow (60%)
- Blue (100%)



- Cyan (38%)
- Magenta (40%)
- Yellow (0%)
- Black (1%)




- Cyan (39%)
- Magenta (41%)
- Yellow (1%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 56.376, 297.078 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, 56.376, 297.078 by changing the saturation by 10% instead.




 67, 56.376,  
297.078


 67, 56.376,  
297.078


 100, 56.376,  
297.078


 57, 56.376,  
297.078


 87, 56.376,  
297.078

 47, 56.376,  
297.078

 97, 56.376,  
297.078

 37, 56.376,  
297.078

 27, 56.376,  
297.078

 17, 56.376,  
297.078

 7, 56.376, 297.078

 0, 56.376, 297.078

67, 56.376,  
297.078

67, 56.376,  
297.078

59, 71.854,  
298.834

75, 41.458,  
295.538

51, 87.682,  
300.759

83, 27.150,  
294.212

44, 103.259,  
302.731

91, 13.431,  
293.083

39, 117.289,  
304.513

99, 0.264, 292.325

34, 127.703,  
305.782

100, 0.662,  
110.011

32, 133.073,  
306.385

# Harmonies

# Complementary

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



67, 56.376, 297.078



97, 50.759, 108.510

# Rectangle

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



67, 56.376, 297.078



67, 56.376, 347.078



67, 56.376, 117.078



67, 56.376, 167.078

# Sweetspot

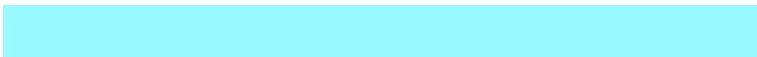
The Sweet Spot groups the original color and five complimentary colors.



67, 56.375, 297.078



90, 15.932, 293.274



93, 30.075, 200.937



47, 10.595, 293.415



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, 56.375, 297.078



61, 68.706, 298.433



71, 58.198, 312.171



49, 7.511, 293.012



23, 107.537, 306.425



3, 44.245, 302.740





# Inverse Universe

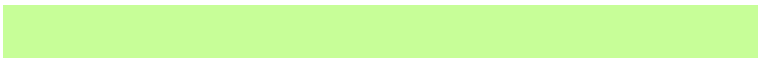
The Inverse Universe completely reimagines the original color for something new.



76, 61.283, 328.026



73, 72.506, 328.432



94, 55.150, 128.339



50, 8.761, 326.291



45, 89.577, 330.280



12, 41.401, 330.022



# Previews

## White Background



This preview shows how the CIELCh color 67, 56.376, 297.078 looks on a white background.

## Color Contrast Check

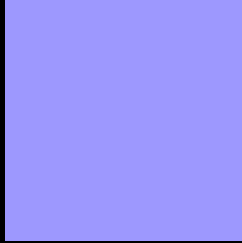
Large Text (above 18pt) WCAG AA × Fail

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, 56.376, 297.078 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

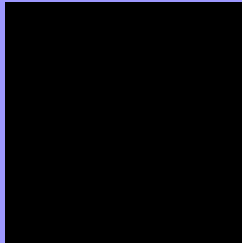
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 56.376, 297.078

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 56.376, 297.078.



This preview shows how white text looks on a background with the CIELCh color 67, 56.376, 297.078.

# 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



### Original Color

67, 56.376, 297.078

### Protanopia

67, 52.706, 285.611

### Deuteranopia

67, 49.338, 280.856



**Tritanopia**  
67, 12.003, 239.136



# Trichromacy



**Original Color**  
67, 56.376, 297.078

**Protanomaly**  
67, 54.112, 289.903

**Deuteranomaly**  
67, 51.512, 286.930

**Tritanomaly**  
67, 25.759, 281.786

# Monochromacy



**Original Color**  
67, 56.376, 297.078

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
67, 20.495, 294.194

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 56.376, 297.078 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(157, 152, 254)` looks like.

```
.text, #text, p{  
    color:rgb(157, 152, 254)  
}
```

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(157, 152, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 152, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 56.376, 297.078 is called "border". The border property can be set on classes, ids or directly on the HTML element.

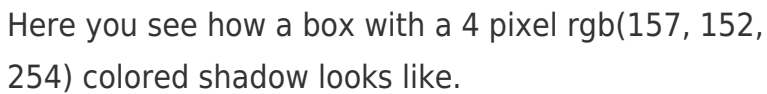
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 152, 254) }
```

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

```
.border{ border-color:rgb(157, 152, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 152, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 152, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 152, 254);  
box-shadow:4px 4px 4px 4px rgb(157, 152,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 56.376, 297.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 152, 254) }
```

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

```
.background{ background-color: rgb(157,  
152, 254) }
```

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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