

Converting Colors

CIELCh(67, 56.436, 296.917)

Have a look what the booklet for
CIELCh(67, 56.436, 296.917)
contains.

CIELCh(67, 56.372, 296.791)	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(67, 56.372, 296.791)

Conversions

Conversions Part 1

Format	Color
Hex	9C98FE
RGB	156, 152, 254
RGB Percent	61%, 60%, 100%
CMY	0.3886, 0.4043, 0.0043
CMYK	0.39, 0.40, 0.00, 0.00
HSL	242°, 98%, 80%
HSV	242°, 40%, 100%
XYZ	42.7755, 36.6320, 98.4925
YIQ	164.8240, -30.3580, 32.5700

Conversions

Conversions Part 2

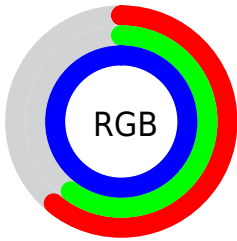
Format	Color
RYB	156, 152, 254
Decimal	10262782
CIELab	67.00, 25.41, -50.32
CIElCh	67, 56.372, 296.791
Yxy	36.6320, 0.2404, 0.2059
Android (android.graphics.Color)	4288452862 (0xFF9C98FE)
YUV	164.8240, 43.9638, -7.7386
Hunter-Lab	60.5244, 20.2369, -54.1168

Details

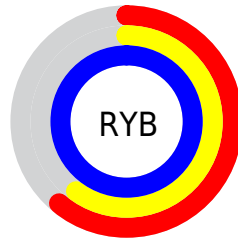
The CIELCh color $67, 56.372, 296.791$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $97, 50.748, 108.072$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 26.031, 298.175$, and $47, 56.598, 296.914$ is the 20% darker color. If you saturate the color by 10%, you get $59, 71.871, 298.586$, and if you desaturate by 10%, it is $75, 41.442, 295.218$.

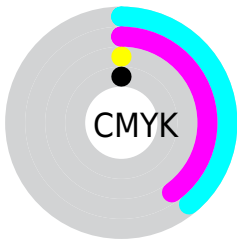
Distribution



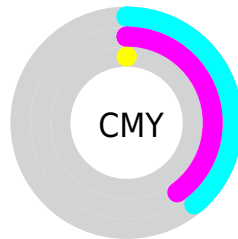
- Red (61%)
- Green (60%)
- Blue (100%)



- Red (61%)
- Yellow (60%)
- Blue (100%)



- Cyan (39%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 56.372, 296.791 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, 56.372, 296.791 by changing the saturation by 10% instead.

■ 67, 56.372,
296.791

■ 67, 56.372,
296.791

■ 100, 56.372,
296.791

■ 57, 56.372,
296.791

■ 87, 56.372,
296.791

■ 47, 56.372,
296.791

■ 97, 56.372,
296.791

■ 37, 56.372,
296.791

■ 27, 56.372,
296.791

■ 17, 56.372,
296.791

■ 7, 56.372, 296.791

■ 0, 56.372, 296.791

67, 56.372,
296.791

67, 56.372,
296.791

59, 71.871,
298.586

75, 41.442,
295.218

51, 87.730,
300.559

83, 27.126,
293.867

44, 103.351,
302.583

91, 13.401,
292.717

38, 117.423,
304.416

99, 0.230, 291.992

34, 127.853,
305.729

100, 0.549,
109.996

32, 133.206,
306.365

Harmonies

Complementary

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



67, 56.372, 296.791



97, 50.748, 108.072

Rectangle

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



67, 56.372, 296.791



67, 56.372, 346.791



67, 56.372, 116.791



67, 56.372, 166.791

Sweetspot

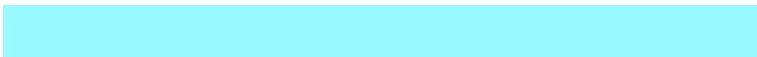
The Sweet Spot groups the original color and five complimentary colors.



67, 56.371, 296.791



90, 15.927, 292.914



93, 30.080, 200.938



47, 10.592, 293.058



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, 56.371, 296.791



61, 68.710, 298.181



71, 58.200, 312.170



49, 7.509, 292.648



23, 107.585, 306.398



3, 44.222, 302.550

Inverse Universe

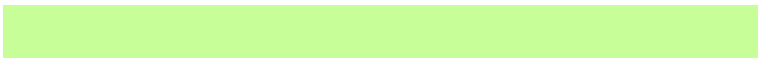
The Inverse Universe completely reimagines the original color for something new.



76, 61.686, 327.734



73, 72.975, 328.134



94, 55.154, 128.341



50, 8.819, 326.017



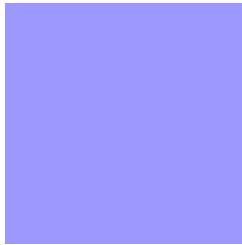
45, 90.262, 329.857



12, 41.679, 329.654

Previews

White Background



This preview shows how the CIELCh color 67, 56.372, 296.791 looks on a white background.

Color Contrast Check

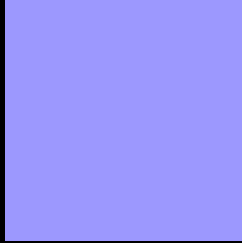
Large Text (above 18pt) WCAG AA × Fail

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, 56.372, 296.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

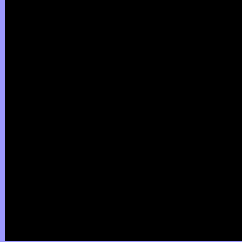
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 56.372, 296.791

Background



This preview shows how black text looks on a background with the CIELCh color 67, 56.372, 296.791.



This preview shows how white text looks on a background with the CIELCh color 67, 56.372, 296.791.

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, 56.372, 296.791

Protanopia

67, 52.706, 285.611

Deuteranopia

67, 49.902, 280.844



Tritanopia
67, 12.210, 234.931

Trichromacy



Original Color
67, 56.372, 296.791

Protanomaly
67, 54.112, 289.903

Deuteranomaly
67, 52.075, 286.815

Tritanomaly
67, 25.838, 280.381

Monochromacy



Original Color
67, 56.372, 296.791

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, 56.372, 296.791 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(156, 152, 254)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 152, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 152, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 56.372, 296.791 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(156, 152, 254) }
```

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

```
.border{ border-color:rgb(156, 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(156, 152, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 152, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 152, 254);  
box-shadow:4px 4px 4px 4px rgb(156, 152,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 56.372, 296.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 152, 254) }
```

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

```
.background{ background-color: rgb(156,  
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](#).

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