

Converting Colors

CIELCh(67, 18.566, 297.244)

Have a look what the booklet for
CIELCh(67, 18.566, 297.244)
contains.

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Color

CIELCh(67, 18.942, 297.412)

Conversions

Conversions Part 1

Format	Color
Hex	A49FC1
RGB	164, 159, 193
RGB Percent	64%, 62%, 76%
CMY	0.3561, 0.3757, 0.2424
CMYK	0.15, 0.18, 0.00, 0.24
HSL	249°, 22%, 69%
HSV	249°, 18%, 76%
XYZ	37.4263, 36.6320, 55.6631
YIQ	164.3710, -7.9340, 11.6340

Conversions

Conversions Part 2

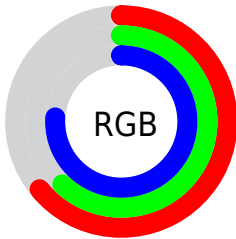
Format	Color
RYB	164, 159, 193
Decimal	10788801
CIELab	67.00, 8.72, -16.82
CIElCh	67, 18.942, 297.412
Yxy	36.6320, 0.2885, 0.2824
Android (android.graphics.Color)	4288978881 (0xFFA49FC1)
YUV	164.3710, 14.1141, -0.3254
Hunter-Lab	60.5244, 4.4609, -12.1608

Details

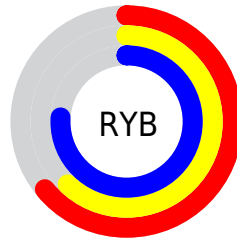
The CIELCh color $67, 18.942, 297.412$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $77, 18.222, 114.635$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 18.984, 296.835$, and $47, 18.477, 297.178$ is the 20% darker color. If you saturate the color by 10%, you get $61, 30.293, 298.429$, and if you desaturate by 10%, it is $73, 8.025, 296.531$.

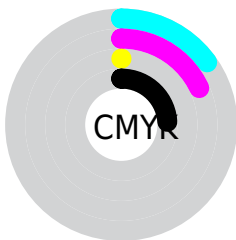
Distribution



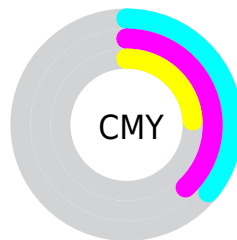
- Red (64%)
- Green (62%)
- Blue (76%)



- Red (64%)
- Yellow (62%)
- Blue (76%)



- Cyan (15%)
- Magenta (18%)
- Yellow (0%)
- Black (24%)



- Cyan (36%)
- Magenta (38%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 18.942, 297.412 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, 18.942, 297.412 by changing the saturation by 10% instead.

■ 67, 18.942,
297.412

■ 67, 18.942,
297.412

■ 100, 18.942,
297.412

■ 57, 18.942,
297.412

■ 87, 18.942,
297.412

■ 47, 18.942,
297.412

■ 97, 18.942,
297.412

■ 37, 18.942,
297.412

■ 27, 18.942,
297.412

■ 17, 18.942,
297.412

■ 7, 18.942, 297.412

■ 0, 18.942, 297.412

67, 18.942,
297.412

67, 18.942,
297.412

61, 30.293,
298.429

73, 8.025, 296.531

54, 42.088,
299.597

80, 2.473, 115.769

86, 12.579,
115.122

48, 54.286,
300.911

92, 22.320,
114.565

42, 66.750,
302.345

98, 31.314,
113.646

36, 79.133,
303.821

99, 31.124,
107.810

31, 90.701,
305.192

27, 100.210,
306.229

25, 106.371,

306.734

■ 24, 107.619,
306.853

Harmonies

Complementary

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



67, 18.942, 297.412



77, 18.222, 114.635

Rectangle

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



67, 18.942, 297.412



67, 18.942, 347.412



67, 18.942, 117.412



67, 18.942, 167.412

Sweetspot

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



67, 18.940, 297.410



94, 6.478, 296.329



75, 10.575, 212.134



50, 4.424, 296.385



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



67, 18.940, 297.410



82, 28.055, 297.773



68, 20.369, 314.321



38, 6.020, 296.677



19, 93.764, 306.927



1, 19.558, 295.106

Inverse Universe

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



69, 20.300, 329.785



85, 29.878, 330.016



76, 20.031, 132.827



38, 6.529, 329.275



37, 73.005, 335.019



4, 21.081, 331.980

Previews

White Background



This preview shows how the CIELCh color 67, 18.942, 297.412 looks on a white background.

Color Contrast Check

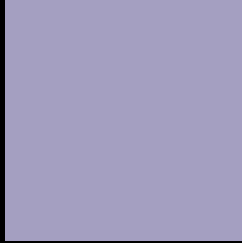
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 18.942, 297.412 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, 18.942, 297.412

Background



This preview shows how black text looks on a background with the CIELCh color 67, 18.942, 297.412.



This preview shows how white text looks on a background with the CIELCh color 67, 18.942, 297.412.

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, 18.942, 297.412

Protanopia

67, 18.303, 285.543

Deuteranopia

67, 18.942, 297.412



Tritanopia
67, 7.193, 288.004

Trichromacy



Original Color
67, 18.942, 297.412

Protanomaly
67, 18.247, 289.858

Deuteranomaly
67, 18.942, 297.412

Tritanomaly
67, 11.632, 293.153

Monochromacy



Original Color
67, 18.942, 297.412

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 6.681, 297.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 18.942, 297.412 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(164, 159, 193)` looks like.

```
.text, #text, p{  
    color:rgb(164, 159, 193)  
}
```

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(164, 159, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 159, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 18.942, 297.412 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(164, 159, 193) }
```

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

```
.border{ border-color:rgb(164, 159, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 159, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 159, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 159, 193);  
box-shadow:4px 4px 4px 4px rgb(164, 159,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 18.942, 297.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 159, 193) }
```

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

```
.background{ background-color: rgb(164,  
159, 193) }
```

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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