

Converting Colors

CIELCh(67, 44.417, 291.186)

Have a look what the booklet for
CIELCh(67, 44.417, 291.186)
contains.

CIELCh(67, 44.753, 291.172)	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, 44.753, 291.172)

Conversions

Conversions Part 1

Format	Color
Hex	949DEE
RGB	148, 157, 238
RGB Percent	58%, 62%, 93%
CMY	0.4192, 0.3839, 0.0662
CMYK	0.38, 0.34, 0.00, 0.07
HSL	234°, 73%, 76%
HSV	234°, 38%, 93%
XYZ	39.7531, 36.6320, 85.9463
YIQ	163.5430, -31.3650, 23.2830

Conversions

Conversions Part 2

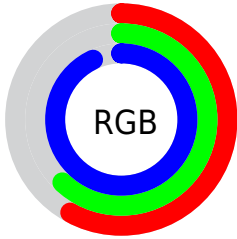
Format	Color
R _Y B	148, 156, 238
Decimal	9739758
CIE _{Lab}	67.00, 16.16, -41.73
CIE _{LCh}	67, 44.753, 291.172
Yxy	36.6320, 0.2449, 0.2257
Android (android.graphics.Color)	4287929838 (0xFF949DEE)
YUV	163.5430, 36.7073, -13.6312
Hunter-Lab	60.5244, 11.3234, -41.8264

Details

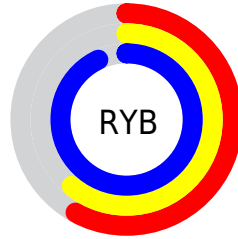
The CIELCh color `67, 44.753, 291.172` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `90, 41.464, 101.751`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 23.180, 287.244`, and `47, 44.918, 291.156` is the 20% darker color. If you saturate the color by 10%, you get `60, 57.732, 293.199`, and if you desaturate by 10%, it is `74, 32.279, 289.427`.

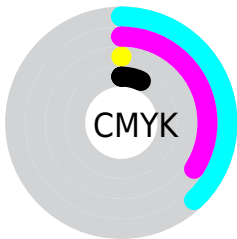
Distribution



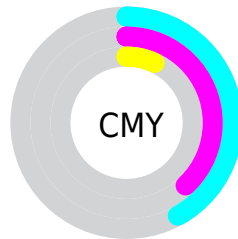
- Red (58%)
- Green (62%)
- Blue (93%)



- Red (58%)
- Yellow (61%)
- Blue (93%)



- Cyan (38%)
- Magenta (34%)
- Yellow (0%)
- Black (7%)



- Cyan (42%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 44.753, 291.172 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, 44.753, 291.172 by changing the saturation by 10% instead.

■ 67, 44.753,
291.172

■ 67, 44.753,
291.172

■ 100, 44.753,
291.172

■ 57, 44.753,
291.172

■ 87, 44.753,
291.172

■ 47, 44.753,
291.172

■ 97, 44.753,
291.172

■ 37, 44.753,
291.172

■ 27, 44.753,
291.172

■ 17, 44.753,
291.172

■ 7, 44.753, 291.172

■ 0, 44.753, 291.172

67, 44.753,
291.172

67, 44.753,
291.172

60, 57.732,
293.199

74, 32.279,
289.427

53, 71.199,
295.506

81, 20.286,
287.939

46, 84.995,
298.033

89, 8.735, 286.678

40, 98.632,
300.630

96, 2.409, 105.534

100, 8.551,
109.528

35, 111.046,
303.032

32, 120.592,
304.907

31, 122.172,
305.202

Harmonies

Complementary

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



67, 44.753, 291.172



90, 41.464, 101.751

Rectangle

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



67, 44.753, 291.172



67, 44.753, 341.172



67, 44.753, 111.172



67, 44.753, 161.172

Sweetspot

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



67, 44.752, 291.172



92, 13.096, 287.063



89, 29.238, 188.182



48, 8.820, 287.232



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, 44.752, 291.172



66, 57.155, 292.638



68, 51.075, 307.737



46, 6.417, 286.875



23, 99.646, 304.950



4, 35.187, 296.937

Inverse Universe

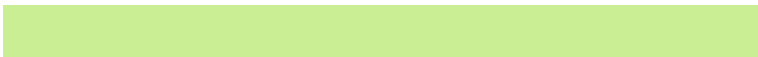
The Inverse Universe completely reimagines the original color for something new.



71, 36.259, 15.481



71, 46.432, 16.848



90, 47.737, 123.574



47, 5.026, 11.880



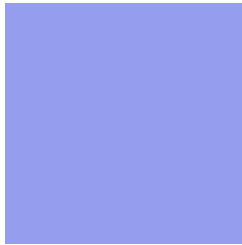
38, 77.468, 35.827



8, 29.350, 19.757

Previews

White Background



This preview shows how the CIELCh color 67, 44.753, 291.172 looks on a white background.

Color Contrast Check

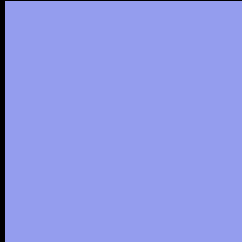
Large Text (above 18pt) WCAG AA × Fail

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, 44.753, 291.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

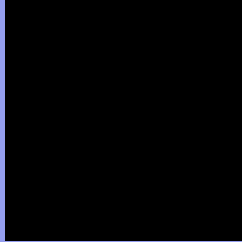
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 44.753, 291.172

Background



This preview shows how black text looks on a background with the CIELCh color 67, 44.753, 291.172.



This preview shows how white text looks on a background with the CIELCh color 67, 44.753, 291.172.

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

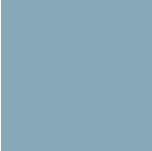
67, 44.753, 291.172

Protanopia

67, 44.952, 285.759

Deuteranopia

67, 41.898, 282.322



Tritanopia
67, 13.543, 233.670

Trichromacy



Original Color
67, 44.753, 291.172

Protanomaly
67, 44.852, 287.517

Deuteranomaly
67, 42.742, 285.725

Tritanomaly
67, 22.156, 271.449

Monochromacy



Original Color
67, 44.753, 291.172

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 16.606, 288.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 44.753, 291.172 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(148, 157, 238)` looks like.

```
.text, #text, p{  
    color:rgb(148, 157, 238)  
}
```

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(148, 157, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 157, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 44.753, 291.172 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(148, 157, 238) }
```

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

```
.border{ border-color:rgb(148, 157, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 157, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 157, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 157, 238);  
box-shadow:4px 4px 4px 4px rgb(148, 157,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 44.753, 291.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 157, 238) }
```

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

```
.background{ background-color: rgb(148,  
157, 238) }
```

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