

Converting Colors

CIELCh(67, 37.650, 293.469)

Have a look what the booklet for
CIELCh(67, 37.650, 293.469)
contains.

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Color

CIELCh(67, 37.609, 293.448)

Conversions

Conversions Part 1

Format	Color
Hex	9C9DE1
RGB	156, 157, 225
RGB Percent	61%, 62%, 88%
CMY	0.3881, 0.3842, 0.1175
CMYK	0.31, 0.30, 0.00, 0.12
HSL	239°, 54%, 75%
HSV	239°, 31%, 88%
XYZ	39.3722, 36.6320, 76.2515
YIQ	164.4530, -22.4240, 20.9360

Conversions

Conversions Part 2

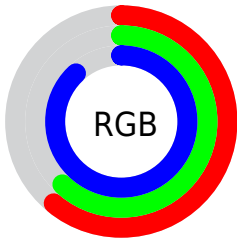
Format	Color
RYB	156, 157, 225
Decimal	10264033
CIELab	67.00, 14.97, -34.50
CIELCh	67, 37.609, 293.448
Yxy	36.6320, 0.2586, 0.2406
Android (android.graphics.Color)	4288454113 (0xFF9C9DE1)
YUV	164.4530, 29.8497, -7.4133
Hunter-Lab	60.5244, 10.2000, -32.3294

Details

The CIELCh color `67, 37.609, 293.448` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `88, 34.960, 106.587`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 23.140, 292.920`, and `47, 37.269, 293.545` is the 20% darker color. If you saturate the color by 10%, you get `60, 50.951, 295.169`, and if you desaturate by 10%, it is `74, 24.818, 291.976`.

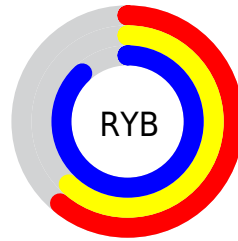
Distribution



Red (61%)

Green (62%)

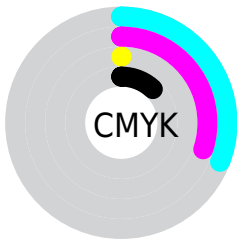
Blue (88%)



Red (61%)

Yellow (62%)

Blue (88%)

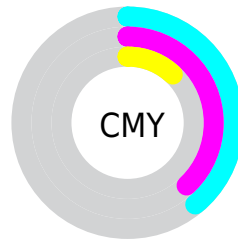


Cyan (31%)

Magenta (30%)

Yellow (0%)

Black (12%)



Cyan (39%)

Magenta (38%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 37.609, 293.448 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, 37.609, 293.448 by changing the saturation by 10% instead.

■ 67, 37.609,
293.448

■ 67, 37.609,
293.448

■ 100, 37.609,
293.448

■ 57, 37.609,
293.448

■ 87, 37.609,
293.448

■ 47, 37.609,
293.448

■ 97, 37.609,
293.448

■ 37, 37.609,
293.448

■ 27, 37.609,
293.448

■ 17, 37.609,
293.448

■ 7, 37.609, 293.448

■ 0, 37.609, 293.448

67, 37.609,
293.448

67, 37.609,
293.448

60, 50.951,
295.169

74, 24.818,
291.976

52, 64.828,
297.144

82, 12.553,
290.729

46, 79.084,
299.334

89, 0.774, 289.762

39, 93.233,
301.610

96, 10.555,
108.756

34, 106.158,
303.722

99, 15.162,
109.032

30, 116.004,
305.328

28, 121.146,
306.151

Harmonies

Complementary

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



67, 37.609, 293.448



88, 34.960, 106.587

Rectangle

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



67, 37.609, 293.448



67, 37.609, 343.448



67, 37.609, 113.448



67, 37.609, 163.448

Sweetspot

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



67, 37.608, 293.448



93, 11.691, 290.548



85, 22.588, 196.335



48, 8.146, 290.713



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, 37.608, 293.448



70, 50.936, 294.554



70, 39.637, 310.019



43, 6.654, 290.591



21, 100.622, 306.102



2, 31.314, 295.541

Inverse Universe

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



71, 27.719, 20.906



76, 37.876, 21.831



86, 37.900, 127.037



44, 4.727, 18.761



36, 78.476, 39.361



6, 25.505, 20.332

Previews

White Background



This preview shows how the CIELCh color 67, 37.609, 293.448 looks on a white background.

Color Contrast Check

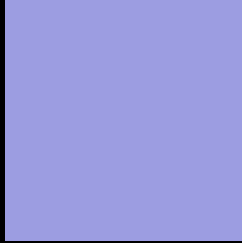
Large Text (above 18pt) WCAG AA × Fail

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, 37.609, 293.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

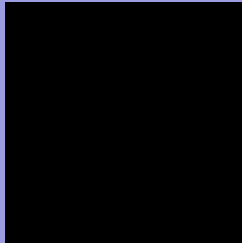
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.609, 293.448

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.609, 293.448.



This preview shows how white text looks on a background with the CIELCh color 67, 37.609, 293.448.

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

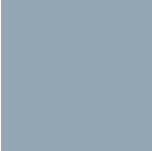
67, 37.609, 293.448

Protanopia

67, 37.225, 284.930

Deuteranopia

67, 35.037, 284.533



Tritanopia
67, 9.952, 245.385

Trichromacy



Original Color
67, 37.609, 293.448

Protanomaly
67, 37.083, 287.662

Deuteranomaly
67, 35.430, 287.650

Tritanomaly
67, 18.636, 278.288

Monochromacy



Original Color
67, 37.609, 293.448

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 13.830, 291.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.609, 293.448 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, 157, 225)` looks like.

```
.text, #text, p{  
    color:rgb(156, 157, 225)  
}
```

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, 157, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 157, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.609, 293.448 is called "border". The border property can be set on classes, ids or directly on the HTML element.

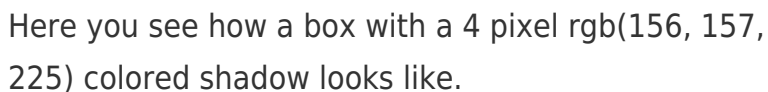
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 157, 225) }
```

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

```
.border{ border-color:rgb(156, 157, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 157, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 157, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 157, 225); box-shadow:4px 4px 4px 4px rgb(156, 157, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.609, 293.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 157, 225) }
```

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

```
.background{ background-color: rgb(156,  
157, 225) }
```

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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