

Converting Colors

CIELCh(67, 42.649, 293.641)

Have a look what the booklet for
CIELCh(67, 42.649, 293.641)
contains.

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Color

CIELCh(67, 42.572, 293.575)

Conversions

Conversions Part 1

Format	Color
Hex	9A9CE9
RGB	154, 156, 233
RGB Percent	60%, 61%, 91%
CMY	0.3952, 0.3874, 0.0854
CMYK	0.34, 0.33, 0.00, 0.09
HSL	238°, 64%, 76%
HSV	238°, 34%, 91%
XYZ	40.0291, 36.6320, 82.2166
YIQ	164.1800, -25.9090, 23.5230

Conversions

Conversions Part 2

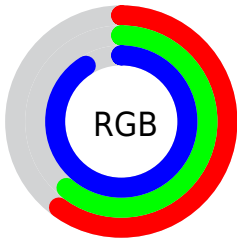
Format	Color
RYB	154, 156, 233
Decimal	10132713
CIELab	67.00, 17.03, -39.02
CIELCh	67, 42.572, 293.575
Yxy	36.6320, 0.2519, 0.2306
Android (android.graphics.Color)	4288322793 (0xFF9A9CE9)
YUV	164.1800, 33.9283, -8.9279
Hunter-Lab	60.5244, 12.1373, -38.1728

Details

The CIELCh color $67, 42.572, 293.575$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $90, 39.271, 105.794$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 23.677, 292.153$, and $47, 42.566, 293.614$ is the 20% darker color. If you saturate the color by 10%, you get $60, 56.324, 295.397$, and if you desaturate by 10%, it is $75, 29.381, 292.011$.

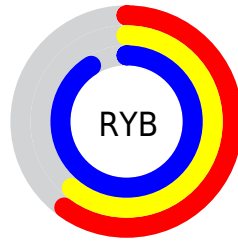
Distribution



Red (60%)

Green (61%)

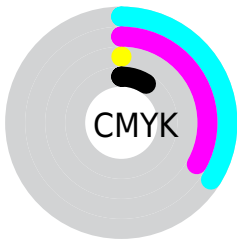
Blue (91%)



Red (60%)

Yellow (61%)

Blue (91%)

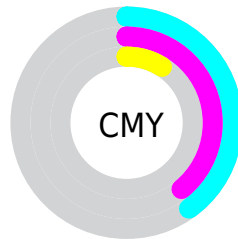


Cyan (34%)

Magenta (33%)

Yellow (0%)

Black (9%)



Cyan (40%)


Magenta (39%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 42.572, 293.575 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, 42.572, 293.575 by changing the saturation by 10% instead.


 67, 42.572,
293.575


 67, 42.572,
293.575


 100, 42.572,
293.575


 57, 42.572,
293.575


 87, 42.572,
293.575

 47, 42.572,
293.575

 97, 42.572,
293.575

 37, 42.572,
293.575

 27, 42.572,
293.575

 17, 42.572,
293.575

 7, 42.572, 293.575

 0, 42.572, 293.575

67, 42.572,
293.575

67, 42.572,
293.575

60, 56.324,
295.397

75, 29.381,
292.011

52, 70.598,
297.472

82, 16.734,
290.682

45, 85.176,
299.742

90, 4.590, 289.568

39, 99.426,
302.046

97, 7.090, 108.581

99, 11.024,
109.344

34, 112.011,
304.104

31, 120.945,
305.568

29, 124.046,
306.060

Harmonies

Complementary

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



67, 42.572, 293.575



90, 39.271, 105.794

Rectangle

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



67, 42.572, 293.575



67, 42.572, 343.575



67, 42.572, 113.575



67, 42.572, 163.575

Sweetspot

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



67, 42.571, 293.575



92, 12.870, 290.231



88, 25.478, 194.602



48, 8.805, 290.394



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, 42.571, 293.575



67, 56.263, 294.883



70, 45.147, 309.657



45, 6.826, 290.165



22, 102.310, 305.977



3, 35.107, 297.294

Inverse Universe

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



72, 31.834, 20.540



73, 42.418, 21.690



88, 42.856, 126.271



46, 4.904, 17.899



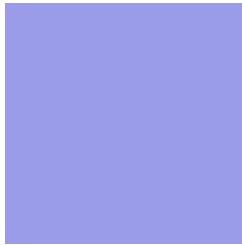
38, 79.720, 38.953



7, 28.426, 21.695

Previews

White Background



This preview shows how the CIELCh color 67, 42.572, 293.575 looks on a white background.

Color Contrast Check

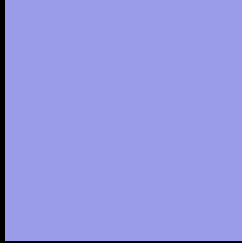
Large Text (above 18pt) WCAG AA × Fail

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, 42.572, 293.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

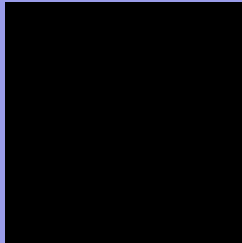
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 42.572, 293.575

Background



This preview shows how black text looks on a background with the CIELCh color 67, 42.572, 293.575.



This preview shows how white text looks on a background with the CIELCh color 67, 42.572, 293.575.

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, 42.572, 293.575

Protanopia

67, 42.742, 285.725

Deuteranopia

67, 39.559, 283.696



Tritanopia
67, 11.176, 239.020

Trichromacy



Original Color
67, 42.572, 293.575

Protanomaly
67, 42.593, 288.376

Deuteranomaly
67, 40.453, 287.369

Tritanomaly
67, 20.519, 276.075

Monochromacy



Original Color
67, 42.572, 293.575

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 15.485, 290.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 42.572, 293.575 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(154, 156, 233)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 233)  
}
```

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(154, 156, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 42.572, 293.575 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(154, 156, 233) }
```

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

```
.border{ border-color:rgb(154, 156, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 233);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 42.572, 293.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 233) }
```

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

```
.background{ background-color: rgb(154,  
156, 233) }
```

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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