

Converting Colors

CIELCh(67, 46.174, 294.513)

Have a look what the booklet for
CIELCh(67, 46.174, 294.513)
contains.

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Color

CIELCh(67, 46.437, 294.747)

Conversions

Conversions Part 1

Format	Color
Hex	9B9BEF
RGB	155, 155, 239
RGB Percent	61%, 61%, 94%
CMY	0.3922, 0.3922, 0.0628
CMYK	0.35, 0.35, 0.00, 0.06
HSL	240°, 72%, 77%
HSV	240°, 35%, 94%
XYZ	40.8071, 36.6320, 86.5619
YIQ	164.5760, -26.9640, 26.1240

Conversions

Conversions Part 2

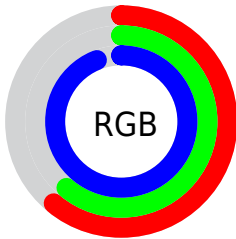
Format	Color
R _Y B	155, 155, 239
Decimal	10197999
CIE _{Lab}	67.00, 19.44, -42.17
CIE _{LCh}	67, 46.437, 294.747
Y _{xy}	36.6320, 0.2488, 0.2234
Android (android.graphics.Color)	4288388079 (0xFF9B9BEF)
Y _{UV}	164.5760, 36.6910, -8.3982
Hunter-Lab	60.5244, 14.4317, -42.4295

Details

The CIELCh color `67, 46.437, 294.747` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `93, 42.485, 106.768`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 24.257, 294.541`, and `47, 46.666, 294.669` is the 20% darker color. If you saturate the color by 10%, you get `59, 60.948, 296.577`, and if you desaturate by 10%, it is `75, 32.516, 293.171`.

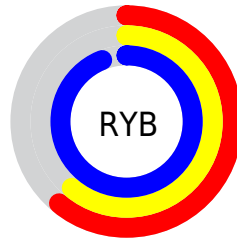
Distribution



Red (61%)

Green (61%)

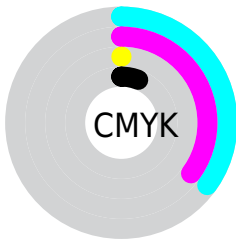
Blue (94%)



Red (61%)

Yellow (61%)

Blue (94%)

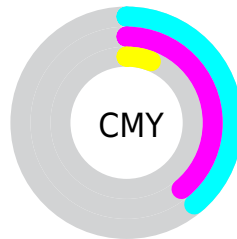


Cyan (35%)

Magenta (35%)

Yellow (0%)

Black (6%)



Cyan (39%)

Magenta (39%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 46.437, 294.747 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, 46.437, 294.747 by changing the saturation by 10% instead.

 67, 46.437,
294.747

 67, 46.437,
294.747


 100, 46.437,
294.747


 57, 46.437,
294.747


 87, 46.437,
294.747

 47, 46.437,
294.747

 97, 46.437,
294.747

 37, 46.437,
294.747

 27, 46.437,
294.747

 17, 46.437,
294.747

 7, 46.437, 294.747

 0, 46.437, 294.747

67, 46.437,
294.747

67, 46.437,
294.747

59, 60.948,
296.577

75, 32.516,
293.171

52, 75.968,
298.644

83, 19.182,
291.832

45, 91.159,
300.865

90, 6.394, 290.704

38, 105.646,
303.043

98, 5.887, 109.719

34, 117.724,
304.858

100, 8.111,
109.561

31, 125.240,
305.971

30, 127.400,
306.287

Harmonies

Complementary

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



67, 46.437, 294.747



93, 42.485, 106.768

Rectangle

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



67, 46.437, 294.747



67, 46.437, 344.747



67, 46.437, 114.747



67, 46.437, 164.747

Sweetspot

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



67, 46.436, 294.747



91, 14.561, 291.344



89, 26.570, 197.697



47, 9.810, 291.501



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, 46.436, 294.747



65, 59.379, 296.001



71, 48.063, 310.821



46, 7.131, 291.167



22, 104.555, 306.287



3, 37.809, 298.750

Inverse Universe

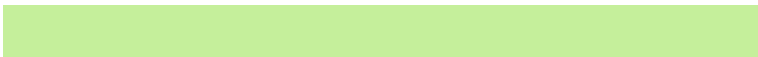
The Inverse Universe completely reimagines the original color for something new.



75, 53.050, 326.343



76, 66.261, 326.692



90, 45.704, 127.412



47, 8.608, 324.944



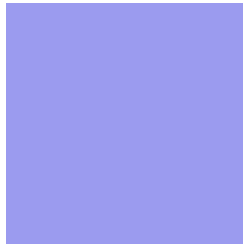
44, 90.296, 328.233



10, 39.418, 328.233

Previews

White Background



This preview shows how the CIELCh color 67, 46.437, 294.747 looks on a white background.

Color Contrast Check

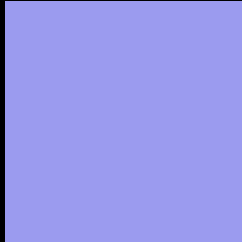
Large Text (above 18pt) WCAG AA × Fail

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, 46.437, 294.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

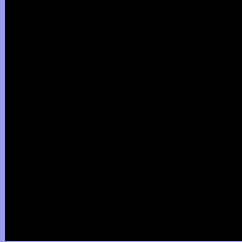
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 46.437, 294.747

Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.437, 294.747.



This preview shows how white text looks on a background with the CIELCh color 67, 46.437, 294.747.

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, 46.437, 294.747

Protanopia

67, 46.088, 285.464

Deuteranopia

67, 42.427, 282.560



Tritanopia
67, 11.176, 239.020

Trichromacy



Original Color
67, 46.437, 294.747

Protanomaly
67, 46.449, 289.018

Deuteranomaly
67, 43.774, 287.199

Tritanomaly
67, 21.498, 277.917

Monochromacy



Original Color
67, 46.437, 294.747

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 17.142, 291.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 46.437, 294.747 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(155, 155, 239)` looks like.

```
.text, #text, p{  
    color:rgb(155, 155, 239)  
}
```

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(155, 155, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 155, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 46.437, 294.747 is called "border". The border property can be set on classes, ids or directly on the HTML element.

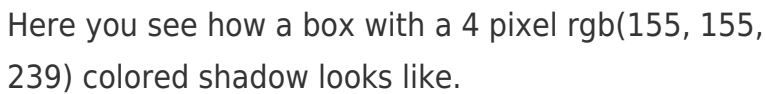
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 155, 239) }
```

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

```
.border{ border-color:rgb(155, 155, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 155, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 155, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 155, 239); box-shadow:4px 4px 4px 4px rgb(155, 155, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 46.437, 294.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 155, 239) }
```

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

```
.background{ background-color: rgb(155,  
155, 239) }
```

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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