

Converting Colors

CIELCh(69, 36.178, 296.010)

Have a look what the booklet for
CIELCh(69, 36.178, 296.010)
contains.

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Color

CIELCh(69, 35.805, 295.714)

Conversions

Conversions Part 1

Format	Color
Hex	A6A2E3
RGB	166, 162, 227
RGB Percent	65%, 64%, 89%
CMY	0.3502, 0.3658, 0.1110
CMYK	0.27, 0.29, 0.00, 0.11
HSL	244°, 53%, 76%
HSV	244°, 29%, 89%
XYZ	42.3571, 39.3444, 77.8131
YIQ	170.6060, -18.4810, 21.0630

Conversions

Conversions Part 2

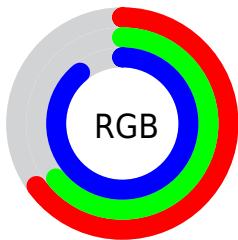
Format	Color
RYB	166, 162, 227
Decimal	10920675
CIELab	69.00, 15.54, -32.26
CIELCh	69, 35.805, 295.714
Yxy	39.3444, 0.2655, 0.2467
Android (android.graphics.Color)	4289110755 (0xFFA6A2E3)
YUV	170.6060, 27.8022, -4.0395
Hunter-Lab	62.7251, 10.7688, -29.6441

Details

The CIELCh color `69, 35.805, 295.714` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `88, 33.415, 110.086`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 19.974, 296.617`, and `49, 35.890, 295.718` is the 20% darker color. If you saturate the color by 10%, you get `62, 49.321, 297.167`, and if you desaturate by 10%, it is `76, 22.833, 294.463`.

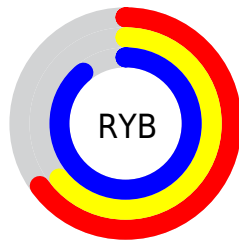
Distribution



Red (65%)

Green (64%)

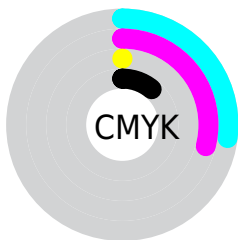
Blue (89%)



Red (65%)

Yellow (64%)

Blue (89%)

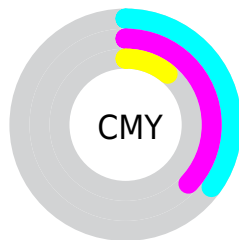


Cyan (27%)

Magenta (29%)

Yellow (0%)

Black (11%)



Cyan (35%)


Magenta (37%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 35.805, 295.714 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 69, 35.805, 295.714 by changing the saturation by 10% instead.

 69, 35.805,
295.714

 69, 35.805,
295.714


 100, 35.805,
295.714


 59, 35.805,
295.714


 89, 35.805,
295.714

 49, 35.805,
295.714

 99, 35.805,
295.714

 39, 35.805,
295.714

 29, 35.805,
295.714

 19, 35.805,
295.714

 9, 35.805, 295.714

 0, 35.805, 295.714

69, 35.805,
295.714

69, 35.805,
295.714

62, 49.321,
297.167

76, 22.833,
294.463

54, 63.355,
298.825

84, 10.389,
293.396

47, 77.748,
300.655

91, 1.560, 112.453

41, 92.045,
302.555

98, 13.051,
111.703

35, 105.229,
304.322

99, 14.322,
109.095

31, 115.572,
305.657

29, 121.513,
306.347

28, 122.138,

Harmonies

Complementary

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



69, 35.805, 295.714



88, 33.415, 110.086

Rectangle

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



69, 35.805, 295.714



69, 35.805, 345.714



69, 35.805, 115.714



69, 35.805, 165.714

Sweetspot

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



69, 35.804, 295.714



93, 11.884, 293.435



85, 20.266, 202.932



48, 8.281, 293.581



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 35.804, 295.714



72, 47.273, 296.496



72, 37.593, 312.115



43, 6.764, 293.473



21, 100.987, 306.480



2, 31.726, 297.320

Inverse Universe

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



74, 39.935, 327.755



80, 51.953, 328.068



86, 36.286, 129.486



44, 7.820, 326.645



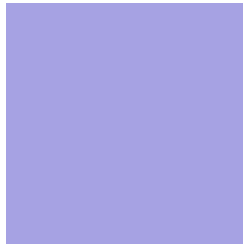
41, 83.389, 330.827



8, 34.478, 330.371

Previews

White Background



This preview shows how the CIELCh color 69, 35.805, 295.714 looks on a white background.

Color Contrast Check

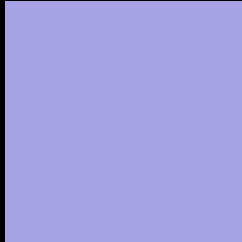
Large Text (above 18pt) WCAG AA × Fail

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 69, 35.805, 295.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

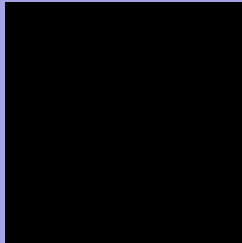
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 35.805, 295.714

Background



This preview shows how black text looks on a background with the CIELCh color 69, 35.805, 295.714.



This preview shows how white text looks on a background with the CIELCh color 69, 35.805, 295.714.

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

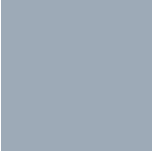
69, 35.805, 295.714

Protanopia

69, 35.318, 285.556

Deuteranopia

69, 33.070, 286.294



Tritanopia
69, 8.426, 257.363

Trichromacy



Original Color
69, 35.805, 295.714

Protanomaly
69, 35.740, 289.651

Deuteranomaly
69, 34.083, 290.315

Tritanomaly
69, 17.694, 284.105

Monochromacy



Original Color
69, 35.805, 295.714

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 13.200, 293.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 35.805, 295.714 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(166, 162, 227)` looks like.

```
.text, #text, p{  
    color:rgb(166, 162, 227)  
}
```

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(166, 162, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 162, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 35.805, 295.714 is called "border". The border property can be set on classes, ids or directly on the HTML element.

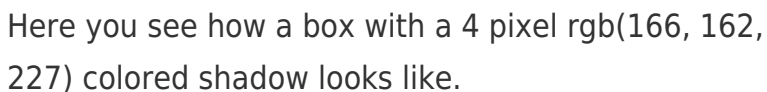
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 162, 227) }
```

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

```
.border{ border-color:rgb(166, 162, 227) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 162, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 162, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 162, 227); box-shadow:4px 4px 4px 4px rgb(166, 162, 227) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 35.805, 295.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 162, 227) }
```

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

```
.background{ background-color: rgb(166,  
162, 227) }
```

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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