

Converting Colors

CIELCh(68, 40.546, 299.068)

Have a look what the booklet for
CIELCh(68, 40.546, 299.068)
contains.

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Color

CIELCh(68, 40.502, 299.053)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A89DE6 |
| RGB | 168, 157, 230 |
| RGB Percent | 66%, 62%, 90% |
| CMY | 0.3426, 0.3857, 0.0995 |
| CMYK | 0.27, 0.32, 0.00, 0.10 |
| HSL | 249°, 59%, 76% |
| HSV | 249°, 32%, 90% |
| XYZ | 42.2983, 37.9720, 79.6847 |
| YIQ | 168.6110, -16.8770, 25.0350 |

Conversions

Conversions Part 2

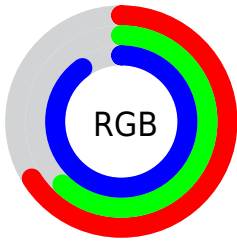
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 168, 157, 230 |
| Decimal | 11050470 |
| CIE Lab | 68.00, 19.67, -35.41 |
| CIE LCh | 68, 40.502, 299.053 |
| Yxy | 37.9720, 0.2644, 0.2374 |
| Android (android.graphics.Color) | 4289240550 (0xFFA89DE6) |
| YUV | 168.6110, 30.2648, -0.5358 |
| Hunter-Lab | 61.6215, 14.6887, -33.5348 |

Details

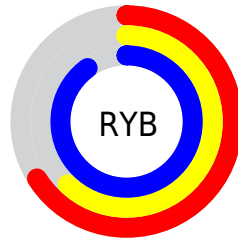
The CIELCh color `68, 40.502, 299.053` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `89, 37.578, 113.697`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `87, 22.983, 302.118`, and `48, 40.228, 298.838` is the 20% darker color. If you saturate the color by 10%, you get `61, 54.294, 300.292`, and if you desaturate by 10%, it is `75, 27.208, 297.965`.

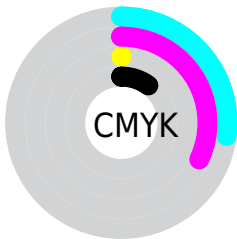
Distribution



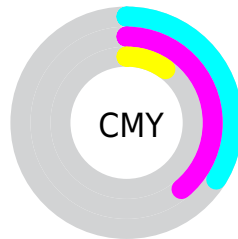
- Red (66%)
- Green (62%)
- Blue (90%)



- Red (66%)
- Yellow (62%)
- Blue (90%)



- Cyan (27%)
- Magenta (32%)
- Yellow (0%)
- Black (10%)





- Cyan (34%)
- Magenta (39%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 40.502, 299.053 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 68, 40.502, 299.053 by changing the saturation by 10% instead.


 68, 40.502,
299.053


 68, 40.502,
299.053


 100, 40.502,
299.053


 58, 40.502,
299.053


 88, 40.502,
299.053

 48, 40.502,
299.053

 98, 40.502,
299.053

 38, 40.502,
299.053

 28, 40.502,
299.053

 18, 40.502,
299.053

 8, 40.502, 299.053

 0, 40.502, 299.053

68, 40.502,
299.053

68, 40.502,
299.053

61, 54.294,
300.292

75, 27.208,
297.965

54, 68.499,
301.671

83, 14.429,
297.023

47, 82.858,
303.140

90, 2.145, 296.215

41, 96.773,
304.588

97, 9.670, 115.515

99, 12.843,
109.207

35, 109.094,
305.821

31, 118.137,
306.581

30, 122.572,
306.818

Harmonies

Complementary

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



68, 40.502, 299.053



89, 37.578, 113.697

Rectangle

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



68, 40.502, 299.053



68, 40.502, 349.053



68, 40.502, 119.053



68, 40.502, 169.053

Sweetspot

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



68, 40.501, 299.053



92, 13.293, 296.874



84, 20.629, 214.505



48, 9.094, 296.996



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 40.501, 299.053



70, 53.399, 299.834



71, 42.996, 315.508



44, 6.924, 296.823



22, 101.388, 306.905



3, 33.986, 300.364

Inverse Universe

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



73, 42.039, 330.811



77, 54.455, 331.222



86, 41.770, 132.640



45, 7.486, 329.401



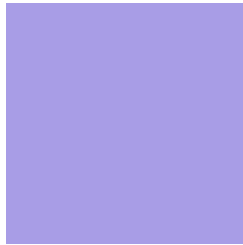
41, 78.632, 335.273



8, 33.592, 334.034

Previews

White Background



This preview shows how the CIELCh color 68, 40.502, 299.053 looks on a white background.

Color Contrast Check

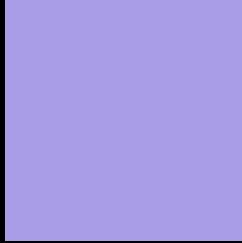
Large Text (above 18pt) WCAG AA × Fail

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 68, 40.502, 299.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

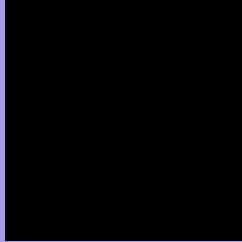
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 40.502, 299.053

Background



This preview shows how black text looks on a background with the CIELCh color 68, 40.502, 299.053.



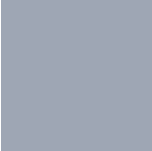
This preview shows how white text looks on a background with the CIELCh color 68, 40.502, 299.053.

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





Tritanopia
68, 8.178, 270.287

Trichromacy



Original Color
68, 40.502, 299.053

Protanomaly
68, 39.679, 290.096

Deuteranomaly
68, 37.477, 290.542

Tritanomaly
68, 19.302, 291.099

Monochromacy



Original Color
68, 40.502, 299.053

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 14.424, 297.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 40.502, 299.053 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(168, 157, 230)` looks like.

```
.text, #text, p{  
    color:rgb(168, 157, 230)  
}
```

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(168, 157, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 157, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 40.502, 299.053 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(168, 157, 230) }
```

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

```
.border{ border-color:rgb(168, 157, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 157, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 157, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 157, 230);  
box-shadow:4px 4px 4px 4px rgb(168, 157,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 40.502, 299.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 157, 230) }
```

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

```
.background{ background-color: rgb(168,  
157, 230) }
```

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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