

Converting Colors

CIELCh(69, 41.556, 300.686)

Have a look what the booklet for
CIELCh(69, 41.556, 300.686)
contains.

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Color

CIELCh(69, 41.659, 300.728)

Conversions

Conversions Part 1

Format	Color
Hex	AD9EE9
RGB	173, 158, 233
RGB Percent	68%, 62%, 91%
CMY	0.3206, 0.3795, 0.0853
CMYK	0.26, 0.32, 0.00, 0.09
HSL	252°, 63%, 77%
HSV	252°, 32%, 91%
XYZ	44.2996, 39.3444, 82.5415
YIQ	171.0350, -15.1350, 26.5050

Conversions

Conversions Part 2

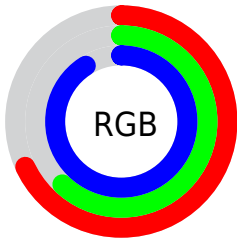
Format	Color
RYB	173, 158, 233
Decimal	11378409
CIELab	69.00, 21.29, -35.81
CIELCh	69, 41.659, 300.728
Yxy	39.3444, 0.2666, 0.2367
Android (android.graphics.Color)	4289568489 (0xFFAD9EE9)
YUV	171.0350, 30.5487, 1.7233
Hunter-Lab	62.7251, 16.2967, -34.1136

Details

The CIELCh color `69, 41.659, 300.728` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `90, 38.717, 115.783`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 22.821, 306.541`, and `49, 41.394, 300.564` is the 20% darker color. If you saturate the color by 10%, you get `62, 55.626, 301.837`, and if you desaturate by 10%, it is `76, 28.159, 299.744`.

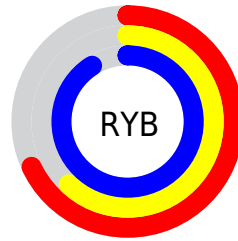
Distribution



Red (68%)

Green (62%)

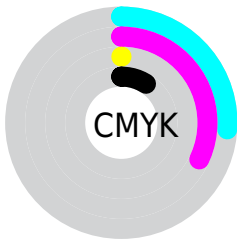
Blue (91%)



Red (68%)

Yellow (62%)

Blue (91%)

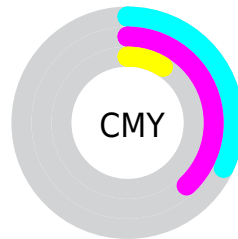


Cyan (26%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (32%)


Magenta (38%)

Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 41.659, 300.728 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, 41.659, 300.728 by changing the saturation by 10% instead.

 69, 41.659,
300.728


 69, 41.659,
300.728

 100, 41.659,
300.728


 59, 41.659,
300.728


 89, 41.659,
300.728

 49, 41.659,
300.728

 99, 41.659,
300.728

 39, 41.659,
300.728

 29, 41.659,
300.728

 19, 41.659,
300.728

 9, 41.659, 300.728

 0, 41.659, 300.728

69, 41.659,
300.728

69, 41.659,
300.728

62, 55.626,
301.837

76, 28.159,
299.744

55, 69.950,
303.053

84, 15.160,
298.885

48, 84.342,
304.327

91, 2.651, 298.138

42, 98.175,
305.551

98, 9.389, 117.504

99, 11.006,
109.345

36, 110.314,
306.547

33, 119.159,
307.081

31, 123.387,
307.161

Harmonies

Complementary

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



69, 41.659, 300.728



90, 38.717, 115.783

Rectangle

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



69, 41.659, 300.728



69, 41.659, 350.728



69, 41.659, 120.728



69, 41.659, 170.728

Sweetspot

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



69, 41.657, 300.728



92, 13.348, 298.719



84, 20.543, 221.048



48, 9.130, 298.830



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, 41.657, 300.728



69, 55.018, 301.495



72, 44.511, 317.118



45, 7.079, 298.674



23, 101.903, 307.269



3, 36.242, 302.446

Inverse Universe

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



74, 41.639, 332.617



77, 53.975, 333.108



87, 43.450, 134.172



46, 7.361, 331.094



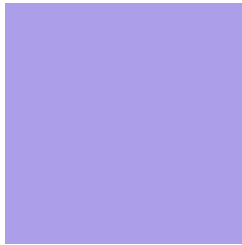
41, 76.536, 338.143



9, 33.501, 336.418

Previews

White Background



This preview shows how the CIELCh color 69, 41.659, 300.728 looks on a white background.

Color Contrast Check

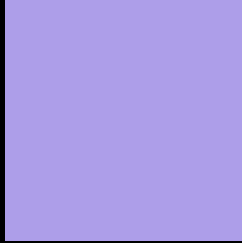
Large Text (above 18pt) WCAG AA × Fail

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, 41.659, 300.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

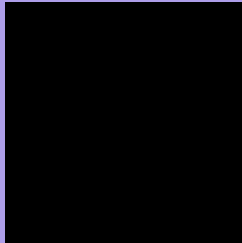
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 41.659, 300.728

Background



This preview shows how black text looks on a background with the CIELCh color 69, 41.659, 300.728.



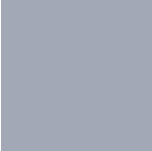
This preview shows how white text looks on a background with the CIELCh color 69, 41.659, 300.728.

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
69, 7.869, 277.662

Trichromacy



Original Color
69, 41.659, 300.728

Protanomaly
69, 40.665, 290.689

Deuteranomaly
69, 37.929, 291.061

Tritanomaly
69, 20.422, 295.123

Monochromacy



Original Color
69, 41.659, 300.728

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 15.573, 299.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 41.659, 300.728 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(173, 158, 233)` looks like.

```
.text, #text, p{  
    color:rgb(173, 158, 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(173, 158, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 158, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 41.659, 300.728 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(173, 158, 233) }
```

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

```
.border{ border-color:rgb(173, 158, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 158, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 158, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 158, 233);  
box-shadow:4px 4px 4px 4px rgb(173, 158,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 41.659, 300.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 158, 233) }
```

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

```
.background{ background-color: rgb(173,  
158, 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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