

Converting Colors

CIELCh(69, 7.459, 294.103)

Have a look what the booklet for
CIELCh(69, 7.459, 294.103) contains.

CIELCh(69, 7.713, 293.675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 7.713, 293.675)

Conversions

Conversions Part 1

Format	Color
Hex	A8A7B5
RGB	168, 167, 181
RGB Percent	66%, 65%, 71%
CMY	0.3408, 0.3447, 0.2898
CMYK	0.07, 0.08, 0.00, 0.29
HSL	244°, 9%, 68%
HSV	244°, 8%, 71%
XYZ	38.3521, 39.3444, 49.3374
YIQ	168.8950, -3.8980, 4.5660

Conversions

Conversions Part 2

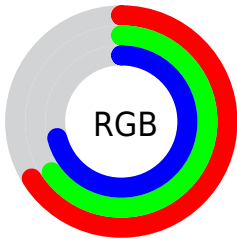
Format	Color
RYB	168, 167, 181
Decimal	11052981
CIELab	69.00, 3.10, -7.06
CIElCh	69, 7.713, 293.675
Yxy	39.3444, 0.3019, 0.3097
Android (android.graphics.Color)	4289243061 (0xFFA8A7B5)
YUV	168.8950, 5.9678, -0.7849
Hunter-Lab	62.7251, -0.6285, -2.7279

Details

The CIELCh color $69, 7.713, 293.675$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $73, 7.570, 112.329$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 7.837, 293.374$, and $49, 7.663, 294.083$ is the 20% darker color. If you saturate the color by 10%, you get $63, 18.034, 294.682$, and if you desaturate by 10%, it is $75, 2.209, 112.781$.

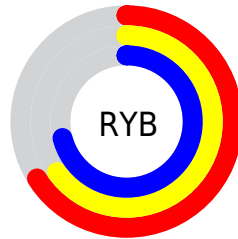
Distribution



Red (66%)

Green (65%)

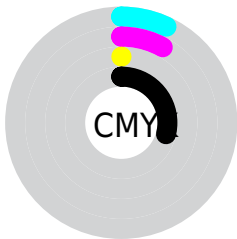
Blue (71%)



Red (66%)

Yellow (65%)

Blue (71%)

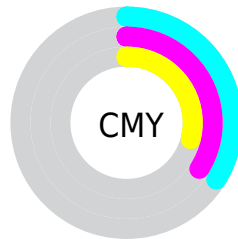


Cyan (7%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (34%)

Magenta (34%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 7.713, 293.675 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, 7.713, 293.675 by changing the saturation by 10% instead.

■ 69, 7.713, 293.675

■ 69, 7.713, 293.675

■ 100, 7.713,
293.675

■ 59, 7.713, 293.675

■ 89, 7.713, 293.675

■ 49, 7.713, 293.675

■ 99, 7.713, 293.675

■ 39, 7.713, 293.675

■ 29, 7.713, 293.675

■ 19, 7.713, 293.675

■ 9, 7.713, 293.675

■ 0, 7.713, 293.675

■ 69, 7.713, 293.675

■ 69, 7.713, 293.675

■ 63, 18.034,

■ 75, 2.209, 112.781

294.682

81, 11.756,
112.052

57, 28.785,
295.867

87, 20.955,
111.419

51, 39.981,
297.240

93, 29.832,
110.875

45, 51.604,
298.808

98, 37.130,
109.023

39, 63.548,
300.544

98, 37.109,
107.348

33, 75.498,
302.368

28, 86.738,
304.106

24, 95.988,
305.494

22, 101.958,
306.317

Harmonies

Complementary

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



69, 7.713, 293.675



73, 7.570, 112.329

Rectangle

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



69, 7.713, 293.675



69, 7.713, 343.675



69, 7.713, 113.675



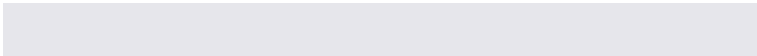
69, 7.713, 163.675

Sweetspot

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



69, 7.711, 293.669



91, 2.443, 293.170



72, 4.793, 205.213



49, 1.388, 293.162



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



69, 7.711, 293.669



86, 11.110, 293.802



70, 8.262, 311.670



35, 5.732, 293.821



18, 92.114, 306.547



1, 15.403, 292.361

Inverse Universe

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



70, 8.872, 326.823



88, 12.759, 326.907



73, 8.178, 131.056



36, 6.582, 326.919



36, 75.601, 331.245



3, 17.506, 327.607

Previews

White Background



This preview shows how the CIELCh color 69, 7.713, 293.675 looks on a white background.

Color Contrast Check

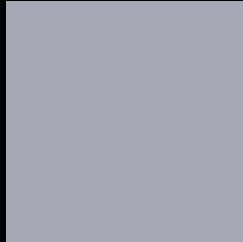
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 7.713, 293.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

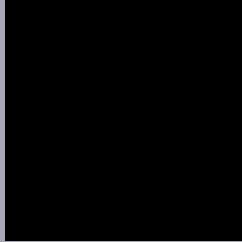
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

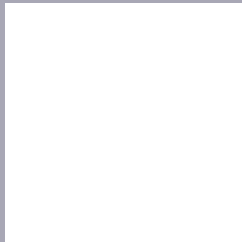
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 7.713, 293.675

Background



This preview shows how black text looks on a background with the CIELCh color 69, 7.713, 293.675.

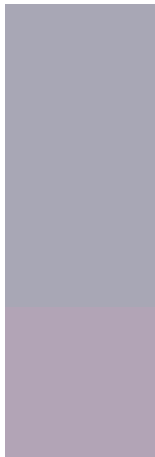


This preview shows how white text looks on a background with the CIELCh color 69, 7.713, 293.675.

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, 7.713, 293.675

Protanopia

69, 7.713, 293.675

Deuteranopia

69, 11.220, 318.550



Tritanopia
69, 7.164, 293.836

Trichromacy



Original Color
69, 7.713, 293.675

Protanomaly
69, 7.713, 293.675

Deuteranomaly
69, 9.963, 310.480

Tritanomaly
69, 7.164, 293.836

Monochromacy



Original Color
69, 7.713, 293.675

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 2.782, 298.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 7.713, 293.675 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, 167, 181)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 181)  
}
```

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, 167, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 7.713, 293.675 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, 167, 181) }
```

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

```
.border{ border-color:rgb(168, 167, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 167, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 167, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 167, 181);  
box-shadow:4px 4px 4px 4px rgb(168, 167,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 7.713, 293.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 181) }
```

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

```
.background{ background-color: rgb(168,  
167, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor