

Converting Colors

CIELCh(69, 16.563, 308.345)

Have a look what the booklet for
CIELCh(69, 16.563, 308.345)
contains.

CIELCh(69, 16.700, 307.967)	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, 16.700, 307.967)

Conversions

Conversions Part 1

Format	Color
Hex	B0A3C0
RGB	176, 163, 192
RGB Percent	69%, 64%, 75%
CMY	0.3089, 0.3599, 0.2462
CMYK	0.08, 0.15, 0.00, 0.25
HSL	267°, 19%, 70%
HSV	267°, 15%, 75%
XYZ	40.6306, 39.3444, 55.4532
YIQ	170.1930, -1.5610, 11.7750

Conversions

Conversions Part 2

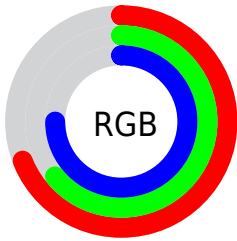
Format	Color
RYB	176, 163, 192
Decimal	11576256
CIELab	69.00, 10.27, -13.17
CIElCh	69, 16.700, 307.967
Yxy	39.3444, 0.3000, 0.2905
Android (android.graphics.Color)	4289766336 (0xFFB0A3C0)
YUV	170.1930, 10.7509, 5.0927
Hunter-Lab	62.7251, 5.8557, -8.5088

Details

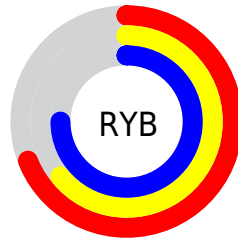
The CIELCh color $69, 16.700, 307.967$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $76, 16.322, 126.542$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 16.452, 308.461$, and $49, 17.172, 307.532$ is the 20% darker color. If you saturate the color by 10%, you get $63, 28.169, 308.514$, and if you desaturate by 10%, it is $75, 5.550, 307.456$.

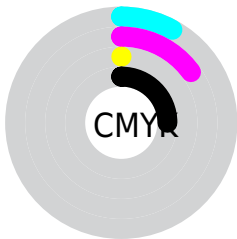
Distribution



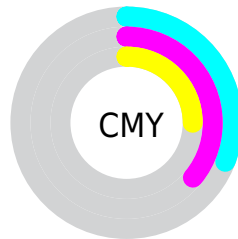
- Red (69%)
- Green (64%)
- Blue (75%)



- Red (69%)
- Yellow (64%)
- Blue (75%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (25%)





- Cyan (31%)
- Magenta (36%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 16.700, 307.967 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, 16.700, 307.967 by changing the saturation by 10% instead.


 69, 16.700,
307.967


 69, 16.700,
307.967


 100, 16.700,
307.967


 59, 16.700,
307.967


 89, 16.700,
307.967

 49, 16.700,
307.967

 99, 16.700,
307.967

 39, 16.700,
307.967

 29, 16.700,
307.967

 19, 16.700,
307.967

 9, 16.700, 307.967

 0, 16.700, 307.967

69, 16.700,
307.967

69, 16.700,
307.967

63, 28.169,
308.514

75, 5.550, 307.456

57, 39.908,
309.101

81, 5.255, 127.047

52, 51.803,
309.709

86, 15.715,
126.639

46, 63.637,
310.303

92, 25.840,
126.289

41, 75.038,
310.827

97, 33.174,
124.630

37, 85.414,
311.194

98, 32.177,
117.986

33, 93.953,
311.284

98, 31.663,
110.889

30, 99.806,

99, 31.605,
107.773

310.973

■ 29, 102.043,
310.754

Harmonies

Complementary

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



69, 16.700, 307.967



76, 16.322, 126.542

Rectangle

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



69, 16.700, 307.967



69, 16.700, 357.967



69, 16.700, 127.967



69, 16.700, 177.967

Sweetspot

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



69, 16.698, 307.966



95, 6.749, 307.456



72, 8.860, 249.806



50, 4.608, 307.492



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



69, 16.698, 307.966



85, 24.768, 308.136



70, 18.778, 323.386



38, 6.262, 307.671



23, 89.203, 310.903



2, 20.051, 303.583

Inverse Universe

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



70, 14.022, 342.158



87, 20.756, 342.444



75, 18.724, 141.811



38, 5.274, 341.660



35, 60.828, 356.749



3, 16.326, 349.205

Previews

White Background



This preview shows how the CIELCh color 69, 16.700, 307.967 looks on a white background.

Color Contrast Check

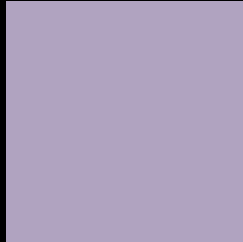
Large Text (above 18pt) WCAG AA × Fail

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, 16.700, 307.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

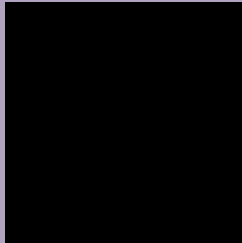
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 16.700, 307.967

Background



This preview shows how black text looks on a background with the CIELCh color 69, 16.700, 307.967.



This preview shows how white text looks on a background with the CIELCh color 69, 16.700, 307.967.

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, 16.700, 307.967

Protanopia

69, 15.422, 286.514

Deuteranopia

69, 15.877, 304.734



Tritanopia
69, 7.773, 313.273

Trichromacy



Original Color
69, 16.700, 307.967

Protanomaly
69, 15.427, 294.342

Deuteranomaly
69, 15.963, 305.999

Tritanomaly
69, 11.120, 310.420

Monochromacy



Original Color
69, 16.700, 307.967

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 5.709, 305.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 16.700, 307.967 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(176, 163, 192)` looks like.

```
.text, #text, p{  
    color:rgb(176, 163, 192)  
}
```

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(176, 163, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 163, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 16.700, 307.967 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(176, 163, 192) }
```

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

```
.border{ border-color:rgb(176, 163, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 163, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 163, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 163, 192);  
box-shadow:4px 4px 4px 4px rgb(176, 163,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 16.700, 307.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 163, 192) }
```

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

```
.background{ background-color: rgb(176,  
163, 192) }
```

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