

Converting Colors

CIELCh(69, 17.081, 168.188)

Have a look what the booklet for
CIELCh(69, 17.081, 168.188)
contains.

CIELCh(69, 16.927, 168.872)	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, 16.927, 168.872)

Conversions

Conversions Part 1

Format	Color
Hex	89B1A2
RGB	137, 177, 162
RGB Percent	54%, 69%, 64%
CMY	0.4629, 0.3061, 0.3649
CMYK	0.23, 0.00, 0.08, 0.31
HSL	157°, 20%, 62%
HSV	157°, 23%, 69%
XYZ	32.5370, 39.3444, 40.0378
YIQ	163.3300, -19.0250, -13.1450

Conversions

Conversions Part 2

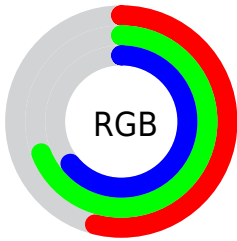
Format	Color
RYB	137, 162, 177
Decimal	9023906
CIELab	69.00, -16.61, 3.27
CIELCh	69, 16.927, 168.872
Yxy	39.3444, 0.2907, 0.3515
Android (android.graphics.Color)	4287213986 (0xFF89B1A2)
YUV	163.3300, -0.6557, -23.0914
Hunter-Lab	62.7251, -17.1766, 6.0624

Details

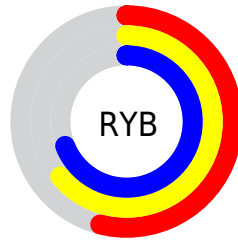
The CIELCh color $69, 16.927, 168.872$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $61, 17.772, 353.193$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 17.014, 168.936$, and $49, 16.941, 168.519$ is the 20% darker color. If you saturate the color by 10%, you get $68, 24.127, 167.776$, and if you desaturate by 10%, it is $70, 9.506, 169.880$.

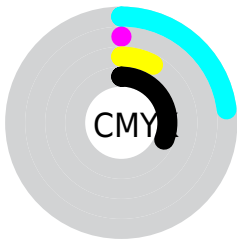
Distribution



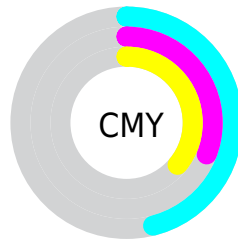
- Red (54%)
- Green (69%)
- Blue (64%)



- Red (54%)
- Yellow (64%)
- Blue (69%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (31%)





- Cyan (46%)
- Magenta (31%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 16.927, 168.872 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, 16.927, 168.872 by changing the saturation by 10% instead.


 69, 16.927,
168.872


 69, 16.927,
168.872


 100, 16.927,
168.872


 59, 16.927,
168.872


 89, 16.927,
168.872

 49, 16.927,
168.872

 99, 16.927,
168.872

 39, 16.927,
168.872

 29, 16.927,
168.872

 19, 16.927,
168.872

 9, 16.927, 168.872

 0, 16.927, 168.872

■ 69, 16.927,
168.872

■ 69, 16.927,
168.872

■ 68, 24.127,
167.776

■ 70, 9.506, 169.880

■ 67, 30.983,
166.571

■ 72, 1.967, 170.957

■ 73, 5.602, 351.520

■ 66, 37.374,
165.230

■ 75, 13.131,
352.352

■ 65, 43.181,
163.729

■ 77, 20.566,
353.106

■ 65, 48.311,
162.044

■ 79, 27.868,
353.813

■ 64, 52.712,
160.158


■ 80, 33.133,
352.443

■ 64, 56.396,
158.068

■ 81, 34.714,
347.238

■ 64, 58.806,

156.470

 81, 36.579,
342.560

Harmonies

Complementary

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



69, 16.927, 168.872



61, 17.772, 353.193

Rectangle

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



69, 16.927, 168.872



69, 16.927, 218.872



69, 16.927, 348.872



69, 16.927, 38.872

Sweetspot

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



69, 16.928, 168.869



90, 6.534, 170.422



69, 23.848, 132.046



47, 4.241, 170.364



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 16.928, 168.869



87, 24.851, 168.351



68, 12.608, 210.266



37, 4.307, 170.202



56, 52.560, 156.755



7, 11.279, 164.438

Inverse Universe

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



61, 17.772, 353.193



75, 26.374, 353.774



62, 14.701, 30.897



35, 4.396, 351.768



32, 58.108, 13.214



2, 9.983, 356.680

Previews

White Background



This preview shows how the CIELCh color 69, 16.927, 168.872 looks on a white background.

Color Contrast Check

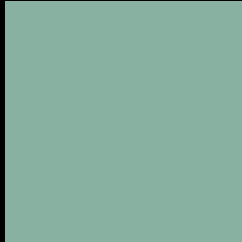
Large Text (above 18pt) WCAG AA × Fail

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, 16.927, 168.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

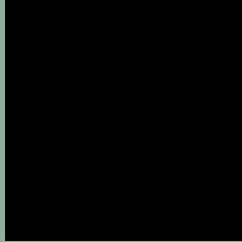
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 16.927, 168.872

Background



This preview shows how black text looks on a background with the CIELCh color 69, 16.927, 168.872.

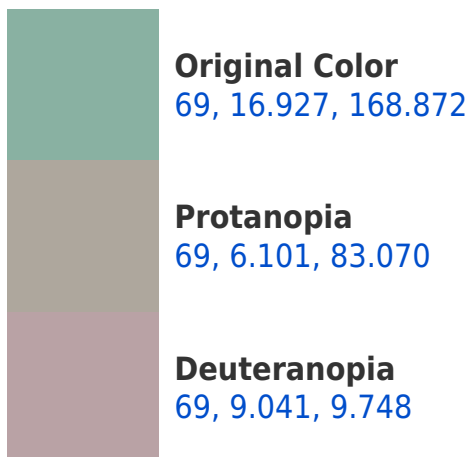


This preview shows how white text looks on a background with the CIELCh color 69, 16.927, 168.872.

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](#).

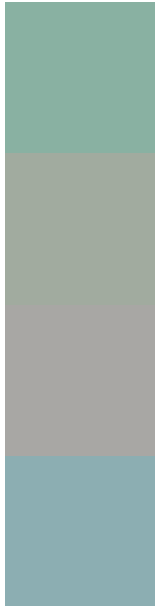
Dichromacy





Tritanopia
69, 12.975, 235.255

Trichromacy



Original Color
69, 16.927, 168.872

Protanomaly
69, 7.634, 139.500

Deuteranomaly
68, 1.678, 96.862

Tritanomaly
69, 12.127, 208.976

Monochromacy



Original Color
69, 16.927, 168.872

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 5.965, 171.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 16.927, 168.872 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(137, 177, 162)` looks like.

```
.text, #text, p{  
    color:rgb(137, 177, 162)  
}
```

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(137, 177, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 177, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 16.927, 168.872 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(137, 177, 162) }
```

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

```
.border{ border-color:rgb(137, 177, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 177, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 177, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 177, 162);  
box-shadow:4px 4px 4px 4px rgb(137, 177,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 16.927, 168.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 177, 162) }
```

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

```
.background{ background-color: rgb(137,  
177, 162) }
```

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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