

Converting Colors

CIELCh(68, 13.588, 161.694)

Have a look what the booklet for
CIELCh(68, 13.588, 161.694)
contains.

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Color

CIELCh(68, 13.099, 162.292)

Conversions

Conversions Part 1

Format	Color
Hex	90AC9E
RGB	144, 172, 158
RGB Percent	56%, 67%, 62%
CMY	0.4348, 0.3249, 0.3799
CMYK	0.16, 0.00, 0.08, 0.32
HSL	150°, 14%, 62%
HSV	150°, 16%, 68%
XYZ	32.4869, 37.9720, 38.0258
YIQ	162.0320, -12.1940, -10.2900

Conversions

Conversions Part 2

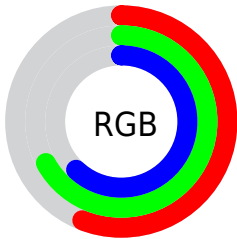
Format	Color
RYB	144, 163, 172
Decimal	9481374
CIELab	68.00, -12.48, 3.98
CIELCh	68, 13.099, 162.292
Yxy	37.9720, 0.2995, 0.3500
Android (android.graphics.Color)	4287671454 (0xFF90AC9E)
YUV	162.0320, -1.9878, -15.8141
Hunter-Lab	61.6215, -13.7323, 6.5479

Details

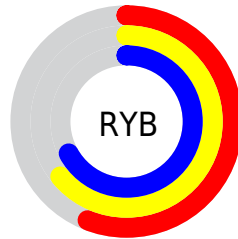
The CIELCh color $68, 13.099, 162.292$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $63, 13.368, 345.006$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 12.725, 163.521$, and $48, 13.278, 162.747$ is the 20% darker color. If you saturate the color by 10%, you get $67, 21.071, 161.304$, and if you desaturate by 10%, it is $69, 5.045, 163.211$.

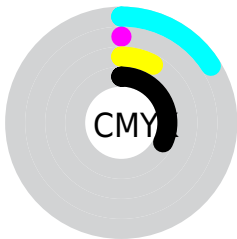
Distribution



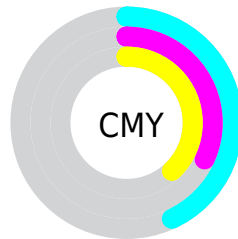
- Red (56%)
- Green (67%)
- Blue (62%)



- Red (56%)
- Yellow (64%)
- Blue (67%)



- Cyan (16%)
- Magenta (0%)
- Yellow (8%)
- Black (32%)





- Cyan (43%)
- Magenta (32%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 13.099, 162.292 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, 13.099, 162.292 by changing the saturation by 10% instead.

 68, 13.099,
162.292


 68, 13.099,
162.292


 100, 13.099,
162.292


 58, 13.099,
162.292


 88, 13.099,
162.292

 48, 13.099,
162.292

 98, 13.099,
162.292

 38, 13.099,
162.292

 28, 13.099,
162.292

 18, 13.099,
162.292

 8, 13.099, 162.292

 0, 13.099, 162.292

■ 68, 13.099,
162.292

■ 68, 13.099,
162.292

■ 67, 21.071,
161.304

■ 69, 5.045, 163.211

■ 66, 28.843,
160.207

■ 71, 3.002, 343.813

■ 65, 36.290,
158.973

■ 73, 10.968,
344.627

■ 64, 43.278,
157.577

■ 75, 18.798,
345.310

■ 63, 49.680,
155.997

■ 76, 26.454,
345.936

■ 63, 55.398,
154.215

■ 78, 33.913,
346.516

■ 62, 60.380,
152.225


■ 80, 38.468,
343.536

■ 62, 64.652,

■ 80, 41.159,
338.381

150.057

 80, 44.170,
333.953

 62, 66.158,
149.271

Harmonies

Complementary

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



68, 13.099, 162.292



63, 13.368, 345.006

Rectangle

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



68, 13.099, 162.292



68, 13.099, 212.292



68, 13.099, 342.292



68, 13.099, 32.292

Sweetspot

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



68, 13.101, 162.290



88, 4.989, 163.325



69, 16.216, 127.758



47, 3.401, 163.259



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 13.101, 162.290



86, 19.959, 161.898



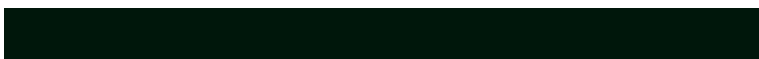
68, 10.125, 197.136



36, 4.586, 162.930



55, 59.584, 149.542



6, 10.348, 159.102

Inverse Universe

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



63, 13.368, 345.006



78, 20.466, 345.397



62, 11.194, 19.149



34, 4.643, 344.366



32, 57.249, 1.243



2, 9.137, 348.800

Previews

White Background



This preview shows how the CIELCh color 68, 13.099, 162.292 looks on a white background.

Color Contrast Check

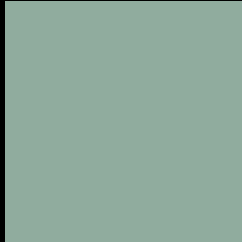
Large Text (above 18pt) WCAG AA × Fail

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 68, 13.099, 162.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

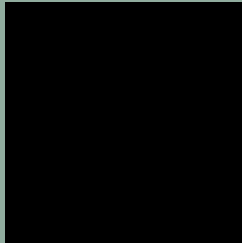
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 13.099, 162.292

Background



This preview shows how black text looks on a background with the CIELCh color 68, 13.099, 162.292.

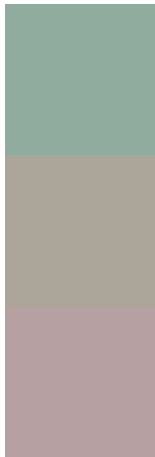


This preview shows how white text looks on a background with the CIELCh color 68, 13.099, 162.292.

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
68, 13.099, 162.292

Protanopia
68, 6.462, 88.267

Deuteranopia
68, 8.967, 16.681



Tritanopia
68, 10.164, 243.945

Trichromacy



Original Color
68, 13.099, 162.292

Protanomaly
68, 7.136, 131.649

Deuteranomaly
68, 2.905, 68.460

Tritanomaly
68, 8.437, 210.113

Monochromacy



Original Color
68, 13.099, 162.292

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 4.706, 163.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 13.099, 162.292 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(144, 172, 158)` looks like.

```
.text, #text, p{  
    color:rgb(144, 172, 158)  
}
```

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(144, 172, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 172, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 13.099, 162.292 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(144, 172, 158) }
```

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

```
.border{ border-color:rgb(144, 172, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 172, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 172, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 172, 158);  
box-shadow:4px 4px 4px 4px rgb(144, 172,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 13.099, 162.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 172, 158) }
```

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

```
.background{ background-color: rgb(144,  
172, 158) }
```

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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