

Converting Colors

CIELCh(69, 12.296, 161.579)

Have a look what the booklet for
CIELCh(69, 12.296, 161.579)
contains.

CIELCh(69, 12.140, 162.416)	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, 12.140, 162.416)

Conversions

Conversions Part 1

Format	Color
Hex	94AEA1
RGB	148, 174, 161
RGB Percent	58%, 68%, 63%
CMY	0.4181, 0.3161, 0.3671
CMYK	0.15, 0.00, 0.07, 0.32
HSL	150°, 14%, 63%
HSV	150°, 15%, 68%
XYZ	33.9628, 39.3444, 39.7029
YIQ	164.7440, -11.3230, -9.5550

Conversions

Conversions Part 2

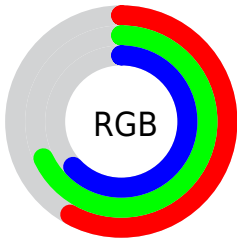
Format	Color
RYB	148, 165, 174
Decimal	9744033
CIELab	69.00, -11.57, 3.67
CIELCh	69, 12.140, 162.416
Yxy	39.3444, 0.3005, 0.3481
Android (android.graphics.Color)	4287934113 (0xFF94AEA1)
YUV	164.7440, -1.8458, -14.6845
Hunter-Lab	62.7251, -13.1193, 6.3790

Details

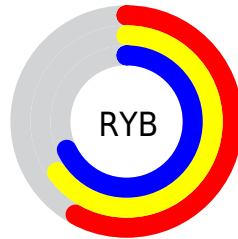
The CIELCh color $69, 12.140, 162.416$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $64, 12.370, 344.879$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 12.411, 162.651$, and $49, 12.254, 163.017$ is the 20% darker color. If you saturate the color by 10%, you get $68, 20.215, 161.439$, and if you desaturate by 10%, it is $70, 3.996, 163.341$.

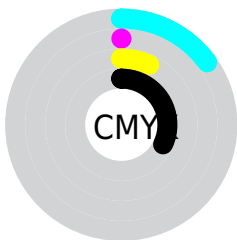
Distribution



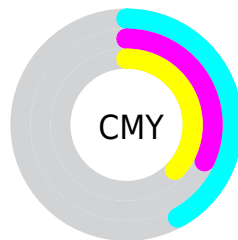
- Red (58%)
- Green (68%)
- Blue (63%)



- Red (58%)
- Yellow (65%)
- Blue (68%)



- Cyan (15%)
- Magenta (0%)
- Yellow (7%)
- Black (32%)




- Cyan (42%)
- Magenta (32%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 12.140, 162.416 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, 12.140, 162.416 by changing the saturation by 10% instead.

 69, 12.140,
162.416


 69, 12.140,
162.416

 100, 12.140,
162.416


 59, 12.140,
162.416


 89, 12.140,
162.416

 49, 12.140,
162.416

 99, 12.140,
162.416

 39, 12.140,
162.416

 29, 12.140,
162.416

 19, 12.140,
162.416

 9, 12.140, 162.416

 0, 12.140, 162.416

69, 12.140,
162.416

69, 12.140,
162.416

68, 20.215,
161.439

70, 3.996, 163.341

67, 28.104,
160.358

72, 4.130, 343.946

65, 35.682,
159.142

74, 12.165,
344.724

65, 42.812,
157.767

76, 20.057,
345.398

64, 49.366,
156.211

78, 27.768,
346.017

63, 55.238,
154.453

80, 35.277,
346.593


63, 60.369,
152.487


80, 38.337,
341.482

63, 64.764,

80, 41.206,
336.428

150.330

 81, 44.380,
332.126

 63, 66.835,
149.245

Harmonies

Complementary

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



69, 12.140, 162.416



64, 12.370, 344.879

Rectangle

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



69, 12.140, 162.416



69, 12.140, 212.416



69, 12.140, 342.416



69, 12.140, 32.416

Sweetspot

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



69, 12.142, 162.413



89, 4.026, 163.429



70, 15.025, 127.821



48, 2.886, 163.351



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, 12.142, 162.413



87, 18.140, 162.092



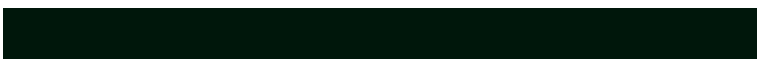
69, 9.416, 197.214



36, 4.586, 162.929



55, 59.586, 149.541



6, 10.348, 159.101

Inverse Universe

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



64, 12.370, 344.879



80, 18.556, 345.200



64, 10.321, 19.031



34, 4.644, 344.364



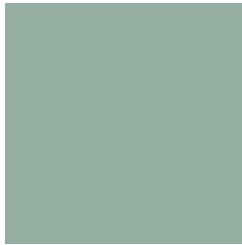
32, 57.249, 1.241



2, 9.137, 348.799

Previews

White Background



This preview shows how the CIELCh color 69, 12.140, 162.416 looks on a white background.

Color Contrast Check

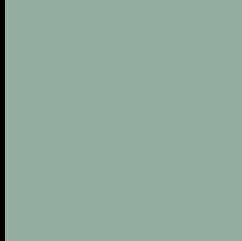
Large Text (above 18pt) WCAG AA × Fail

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, 12.140, 162.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

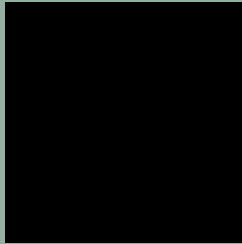
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 12.140, 162.416

Background



This preview shows how black text looks on a background with the CIELCh color 69, 12.140, 162.416.

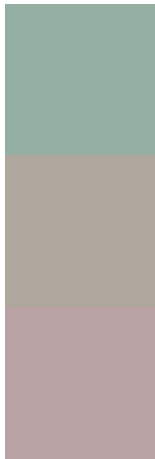


This preview shows how white text looks on a background with the CIELCh color 69, 12.140, 162.416.

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, 12.140, 162.416

Protanopia
69, 5.613, 80.677

Deuteranopia
69, 8.934, 16.664



Tritanopia
69, 10.064, 249.086

Trichromacy



Original Color
69, 12.140, 162.416

Protanomaly
69, 6.333, 127.189

Deuteranomaly
69, 2.895, 68.467

Tritanomaly
69, 7.844, 215.180

Monochromacy



Original Color
69, 12.140, 162.416

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.064, 166.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 12.140, 162.416 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(148, 174, 161)` looks like.

```
.text, #text, p{  
    color:rgb(148, 174, 161)  
}
```

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(148, 174, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 174, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 12.140, 162.416 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(148, 174, 161) }
```

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

```
.border{ border-color:rgb(148, 174, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 174, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 174, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 174, 161);  
box-shadow:4px 4px 4px 4px rgb(148, 174,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 12.140, 162.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 174, 161) }
```

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

```
.background{ background-color: rgb(148,  
174, 161) }
```

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