

Converting Colors

CIELCh(69, 14.573, 163.785)

Have a look what the booklet for
CIELCh(69, 14.573, 163.785)
contains.

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Color

CIELCh(69, 14.558, 163.794)

Conversions

Conversions Part 1

Format	Color
Hex	90B0A1
RGB	144, 176, 161
RGB Percent	56%, 69%, 63%
CMY	0.4368, 0.3114, 0.3702
CMYK	0.18, 0.00, 0.09, 0.31
HSL	152°, 17%, 63%
HSV	152°, 18%, 69%
XYZ	33.2763, 39.3444, 39.3742
YIQ	164.7220, -14.2570, -11.4490

Conversions

Conversions Part 2

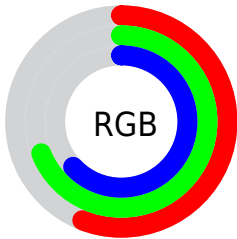
Format	Color
RYB	144, 165, 176
Decimal	9482401
CIELab	69.00, -13.98, 4.06
CIELCh	69, 14.558, 163.794
Yxy	39.3444, 0.2971, 0.3513
Android (android.graphics.Color)	4287672481 (0xFF90B0A1)
YUV	164.7220, -1.8349, -18.1732
Hunter-Lab	62.7251, -15.0728, 6.6897

Details

The CIELCh color **69, 14.558, 163.794** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63, 14.945, 346.964**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 14.722, 164.006**, and **49, 14.149, 165.245** is the 20% darker color. If you saturate the color by 10%, you get **68, 22.420, 162.769**, and if you desaturate by 10%, it is **70, 6.576, 164.737**.

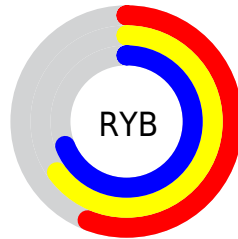
Distribution



Red (56%)

Green (69%)

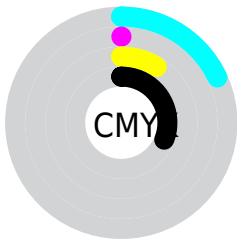
Blue (63%)



Red (56%)

Yellow (65%)

Blue (69%)

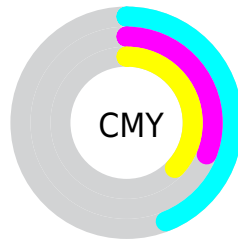


Cyan (18%)

Magenta (0%)

Yellow (9%)

Black (31%)



Cyan (44%)

Magenta (31%)

Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 14.558, 163.794 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, 14.558, 163.794 by changing the saturation by 10% instead.

 69, 14.558,
163.794

 69, 14.558,
163.794

 100, 14.558,
163.794


 59, 14.558,
163.794


 89, 14.558,
163.794

 49, 14.558,
163.794

 99, 14.558,
163.794

 39, 14.558,
163.794

 29, 14.558,
163.794

 19, 14.558,
163.794

 9, 14.558, 163.794

 0, 14.558, 163.794

69, 14.558,
163.794

69, 14.558,
163.794

68, 22.420,
162.769

70, 6.576, 164.737

67, 30.041,
161.634

72, 1.431, 345.246

74, 9.383, 346.233

66, 37.293,
160.359

75, 17.222,
346.955

65, 44.045,
158.921

77, 24.904,
347.617

64, 50.178,
157.295

79, 32.401,
348.232

64, 55.604,
155.466

80, 36.374,
344.547

63, 60.289,
153.428

81, 38.890,
339.269

63, 64.318,

151.238

81, 41.722,
334.726

63, 65.012,
150.863

Harmonies

Complementary

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



69, 14.558, 163.794



63, 14.945, 346.964

Rectangle

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



69, 14.558, 163.794



69, 14.558, 213.794



69, 14.558, 343.794



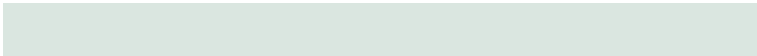
69, 14.558, 33.794

Sweetspot

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



69, 14.559, 163.792



90, 4.971, 165.041



70, 18.604, 128.847



48, 3.388, 164.972



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, 14.559, 163.792



87, 21.816, 163.377



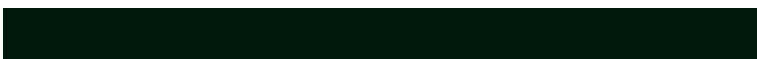
69, 11.235, 200.017



36, 4.484, 164.636



55, 57.661, 151.174



6, 10.140, 160.469

Inverse Universe

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



63, 14.945, 346.964



78, 22.526, 347.388



63, 12.644, 21.952



34, 4.548, 346.108



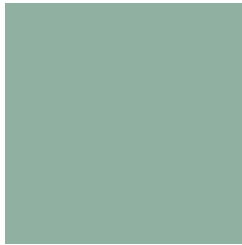
32, 57.012, 4.184



2, 8.980, 350.481

Previews

White Background



This preview shows how the CIELCh color 69, 14.558, 163.794 looks on a white background.

Color Contrast Check

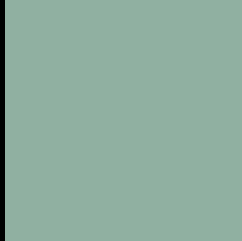
Large Text (above 18pt) WCAG AA × Fail

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, 14.558, 163.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

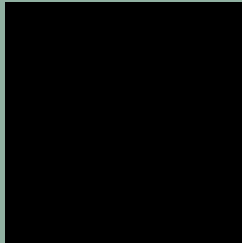
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 14.558, 163.794

Background



This preview shows how black text looks on a background with the CIELCh color 69, 14.558, 163.794.

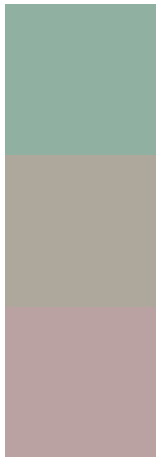


This preview shows how white text looks on a background with the CIELCh color 69, 14.558, 163.794.

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, 14.558, 163.794

Protanopia

69, 6.599, 85.096

Deuteranopia

69, 9.340, 16.858



Tritanopia
69, 11.215, 242.389

Trichromacy



Original Color
69, 14.558, 163.794

Protanomaly
69, 7.121, 131.653

Deuteranomaly
69, 3.124, 80.447

Tritanomaly
69, 9.837, 211.641

Monochromacy



Original Color
69, 14.558, 163.794

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 5.003, 165.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 14.558, 163.794 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, 176, 161)` looks like.

```
.text, #text, p{  
    color:rgb(144, 176, 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(144, 176, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 176, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 14.558, 163.794 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, 176, 161) }
```

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

```
.border{ border-color:rgb(144, 176, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 176, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 176, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 176, 161);  
box-shadow:4px 4px 4px 4px rgb(144, 176,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 14.558, 163.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 176, 161) }
```

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

```
.background{ background-color: rgb(144,  
176, 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](#).

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