

Converting Colors

CIELCh(69, 21.730, 167.004)

Have a look what the booklet for
CIELCh(69, 21.730, 167.004)
contains.

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Color

CIELCh(69, 21.676, 167.173)

Conversions

Conversions Part 1

Format	Color
Hex	80B39F
RGB	128, 179, 159
RGB Percent	50%, 70%, 62%
CMY	0.4979, 0.2979, 0.3764
CMYK	0.28, 0.00, 0.11, 0.30
HSL	156°, 25%, 60%
HSV	156°, 28%, 70%
XYZ	31.2902, 39.3444, 38.7563
YIQ	161.4710, -23.9760, -17.0320

Conversions

Conversions Part 2

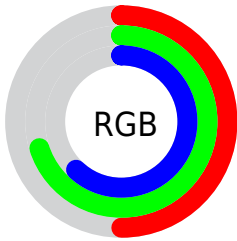
Format	Color
RYB	128, 160, 179
Decimal	8434591
CIELab	69.00, -21.14, 4.81
CIELCh	69, 21.676, 167.173
Yxy	39.3444, 0.2860, 0.3597
Android (android.graphics.Color)	4286624671 (0xFF80B39F)
YUV	161.4710, -1.2182, -29.3541
Hunter-Lab	62.7251, -20.7250, 7.2737

Details

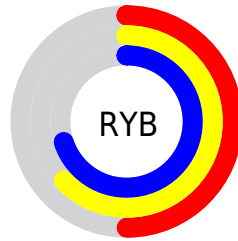
The CIELCh color **69, 21.676, 167.173** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 22.960, 352.787**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 21.592, 167.518**, and **49, 21.493, 167.655** is the 20% darker color. If you saturate the color by 10%, you get **68, 28.872, 166.014**, and if you desaturate by 10%, it is **70, 14.197, 168.224**.

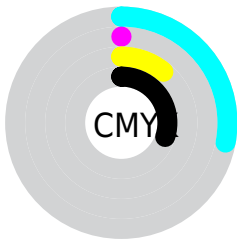
Distribution



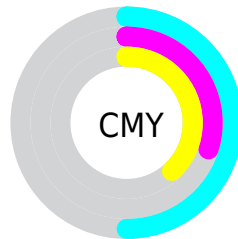
- Red (50%)
- Green (70%)
- Blue (62%)



- Red (50%)
- Yellow (63%)
- Blue (70%)



- Cyan (28%)
- Magenta (0%)
- Yellow (11%)
- Black (30%)





- Cyan (50%)
- Magenta (30%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 21.676, 167.173 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, 21.676, 167.173 by changing the saturation by 10% instead.


 69, 21.676,
167.173


 69, 21.676,
167.173


 100, 21.676,
167.173


 59, 21.676,
167.173


 89, 21.676,
167.173

 49, 21.676,
167.173

 99, 21.676,
167.173

 39, 21.676,
167.173

 29, 21.676,
167.173

 19, 21.676,
167.173

 9, 21.676, 167.173

 0, 21.676, 167.173

69, 21.676,
167.173

69, 21.676,
167.173

68, 28.872,
166.014

70, 14.197,
168.224

67, 35.655,
164.727

72, 6.547, 169.211

66, 41.902,
163.287

73, 1.173, 349.675

66, 47.504,
161.669

75, 8.881, 350.792

65, 52.386,
159.853

77, 16.515,
351.573

65, 56.529,
157.829

79, 24.027,
352.294


64, 60.040,
155.648

81, 31.385,
352.973

64, 60.554,

81, 33.546,
347.843

155.328

 81, 35.501,
342.716

Harmonies

Complementary

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



69, 21.676, 167.173



59, 22.960, 352.787

Rectangle

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



69, 21.676, 167.173



69, 21.676, 217.173



69, 21.676, 347.173



69, 21.676, 37.173

Sweetspot

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



69, 21.677, 167.171



90, 8.569, 169.145



70, 30.182, 131.207



48, 6.001, 169.004



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



69, 21.677, 167.171



86, 31.689, 166.481



68, 15.922, 208.400



37, 4.356, 169.129



56, 53.628, 155.637



7, 11.419, 163.470

Inverse Universe

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



59, 22.960, 352.787



72, 33.983, 353.576



60, 19.423, 29.720



35, 4.441, 350.682



32, 57.911, 11.577



2, 10.054, 355.758

Previews

White Background



This preview shows how the CIELCh color 69, 21.676, 167.173 looks on a white background.

Color Contrast Check

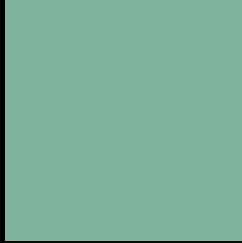
Large Text (above 18pt) WCAG AA × Fail

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, 21.676, 167.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

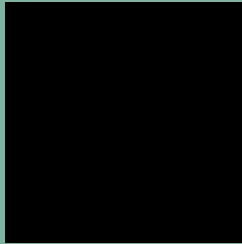
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 21.676, 167.173

Background



This preview shows how black text looks on a background with the CIELCh color 69, 21.676, 167.173.

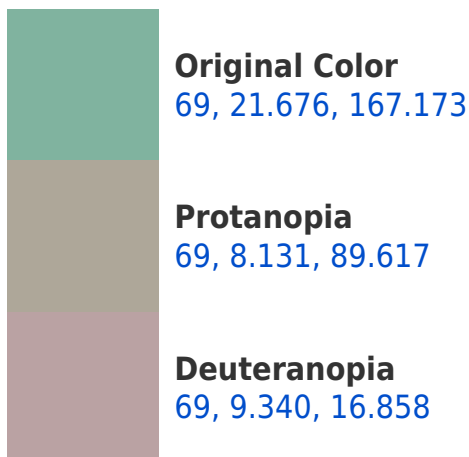


This preview shows how white text looks on a background with the CIELCh color 69, 21.676, 167.173.

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, 15.613, 228.132

Trichromacy



Original Color
69, 21.676, 167.173

Protanomaly
69, 10.328, 140.564

Deuteranomaly
68, 3.490, 128.946

Tritanomaly
69, 15.292, 202.340

Monochromacy



Original Color
69, 21.676, 167.173

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 8.441, 167.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 21.676, 167.173 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(128, 179, 159)` looks like.

```
.text, #text, p{  
    color:rgb(128, 179, 159)  
}
```

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(128, 179, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 179, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 21.676, 167.173 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(128, 179, 159) }
```

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

```
.border{ border-color:rgb(128, 179, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 179, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 179, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 179, 159);  
box-shadow:4px 4px 4px 4px rgb(128, 179,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 21.676, 167.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 179, 159) }
```

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

```
.background{ background-color: rgb(128,  
179, 159) }
```

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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