

Converting Colors

CIELCh(69, 17.594, 191.952)

Have a look what the booklet for
CIELCh(69, 17.594, 191.952)
contains.

CIELCh(69, 17.626, 190.773)	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, 17.626, 190.773)

Conversions

Conversions Part 1

Format	Color
Hex	80B2AE
RGB	128, 178, 174
RGB Percent	50%, 70%, 68%
CMY	0.4991, 0.3030, 0.3187
CMYK	0.28, 0.00, 0.02, 0.30
HSL	175°, 24%, 60%
HSV	175°, 28%, 70%
XYZ	32.3403, 39.3444, 45.7940
YIQ	162.5940, -28.5160, -11.8440

Conversions

Conversions Part 2

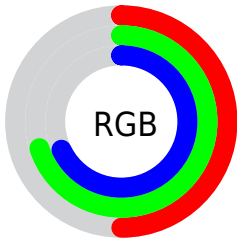
Format	Color
RYB	128, 154, 178
Decimal	8434350
CIELab	69.00, -17.32, -3.29
CIELCh	69, 17.626, 190.773
Yxy	39.3444, 0.2753, 0.3349
Android (android.graphics.Color)	4286624430 (0xFF80B2AE)
YUV	162.5940, 5.6232, -30.3389
Hunter-Lab	62.7251, -17.7366, 0.6215

Details

The CIELCh color **69, 17.626, 190.773** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 20.671, 15.483**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 17.801, 189.780**, and **49, 17.359, 191.711** is the 20% darker color. If you saturate the color by 10%, you get **68, 23.072, 190.033**, and if you desaturate by 10%, it is **70, 11.686, 191.510**.

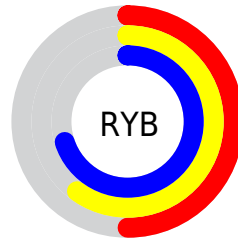
Distribution



Red (50%)

Green (70%)

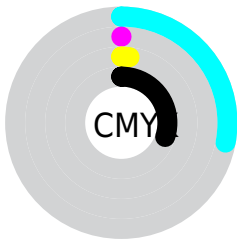
Blue (68%)



Red (50%)

Yellow (60%)

Blue (70%)

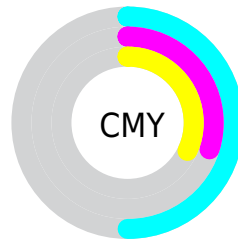


Cyan (28%)

Magenta (0%)

Yellow (2%)

Black (30%)



Cyan (50%)


Magenta (30%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 17.626, 190.773 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, 17.626, 190.773 by changing the saturation by 10% instead.

 69, 17.626,
190.773


 69, 17.626,
190.773


 100, 17.626,
190.773


 59, 17.626,
190.773


 89, 17.626,
190.773

 49, 17.626,
190.773

 99, 17.626,
190.773

 39, 17.626,
190.773

 29, 17.626,
190.773

 19, 17.626,
190.773

 9, 17.626, 190.773

 0, 17.626, 190.773

69, 17.626,
190.773

69, 17.626,
190.773

68, 23.072,
190.033

70, 11.686,
191.510

67, 27.914,
189.290

71, 5.358, 192.284

73, 1.257, 12.521

67, 32.058,
188.532

74, 8.069, 13.575

66, 35.431,
187.747

76, 15.001, 14.320

66, 37.999,
186.921

78, 21.993, 15.043

80, 28.996, 15.752

65, 39.776,
186.037

80, 30.114, 14.676

65, 40.882,
185.089

80, 30.125, 13.258

65, 41.066,

184.913

Harmonies

Complementary

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



69, 17.626, 190.773



58, 20.671, 15.483

Rectangle

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



69, 17.626, 190.773



69, 17.626, 240.773



69, 17.626, 10.773



69, 17.626, 60.773

Sweetspot

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



69, 17.627, 190.769



91, 6.549, 192.283



68, 32.636, 140.494



48, 4.678, 192.160



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, 17.627, 190.769



87, 25.893, 190.293



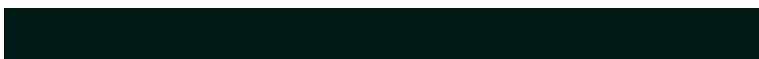
63, 15.063, 249.786



37, 3.737, 192.186



57, 36.736, 185.037



7, 9.313, 189.590

Inverse Universe

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



58, 20.671, 15.483



71, 31.640, 16.383



64, 16.927, 62.947



35, 3.926, 13.445



31, 67.996, 36.181



2, 9.204, 14.277

Previews

White Background



This preview shows how the CIELCh color 69, 17.626, 190.773 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, 17.626, 190.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

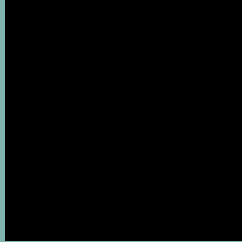
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

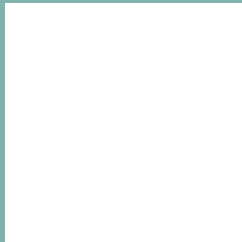
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 17.626, 190.773

Background



This preview shows how black text looks on a background with the CIELCh color 69, 17.626, 190.773.

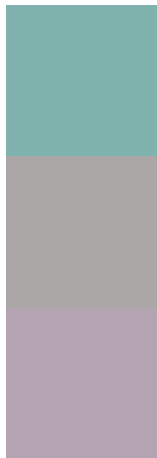


This preview shows how white text looks on a background with the CIELCh color 69, 17.626, 190.773.

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, 17.626, 190.773

Protanopia
69, 1.519, 19.221

Deuteranopia
69, 10.032, 330.261



Tritanopia
69, 16.417, 226.493

Trichromacy



Original Color
69, 17.626, 190.773

Protanomaly
69, 6.039, 188.461

Deuteranomaly
69, 5.050, 260.107

Tritanomaly
69, 16.034, 212.179

Monochromacy



Original Color
69, 17.626, 190.773

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 6.769, 189.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 17.626, 190.773 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, 178, 174)` looks like.

```
.text, #text, p{  
    color:rgb(128, 178, 174)  
}
```

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, 178, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 178, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 17.626, 190.773 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, 178, 174) }
```

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

```
.border{ border-color:rgb(128, 178, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 178, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 178, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 178, 174);  
box-shadow:4px 4px 4px 4px rgb(128, 178,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 17.626, 190.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 178, 174) }
```

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

```
.background{ background-color: rgb(128,  
178, 174) }
```

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