

Converting Colors

CIELCh(67, 18.422, 198.647)

Have a look what the booklet for
CIELCh(67, 18.422, 198.647)
contains.

CIELCh(67, 18.496, 197.892)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(67, 18.496, 197.892)

Conversions

Conversions Part 1

Format	Color
Hex	77ADAD
RGB	119, 173, 173
RGB Percent	47%, 68%, 68%
CMY	0.5348, 0.3231, 0.3231
CMYK	0.31, 0.00, 0.00, 0.32
HSL	180°, 25%, 57%
HSV	180°, 31%, 68%
XYZ	29.9273, 36.6320, 44.8286
YIQ	156.8540, -32.1840, -11.4480

Conversions

Conversions Part 2

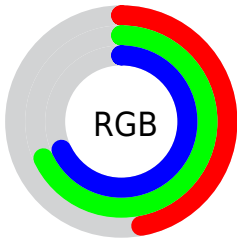
Format	Color
RYB	119, 146, 173
Decimal	7843245
CIELab	67.00, -17.60, -5.68
CIELCh	67, 18.496, 197.892
Yxy	36.6320, 0.2687, 0.3289
Android (android.graphics.Color)	4286033325 (0xFF77ADAD)
YUV	156.8540, 7.9600, -33.1980
Hunter-Lab	60.5244, -17.6553, -1.5473

Details

The CIELCh color **67, 18.496, 197.892** is a light color, and the websafe version is hex **669999**. A complement of this color would be **55, 22.852, 22.013**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 18.693, 196.551**, and **47, 18.731, 197.418** is the 20% darker color. If you saturate the color by 10%, you get **66, 23.383, 197.489**, and if you desaturate by 10%, it is **68, 13.040, 198.347**.

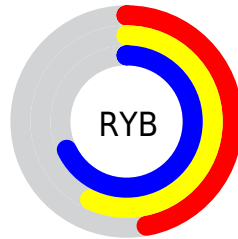
Distribution



Red (47%)

Green (68%)

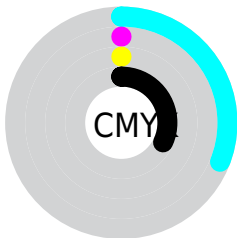
Blue (68%)



Red (47%)

Yellow (57%)

Blue (68%)

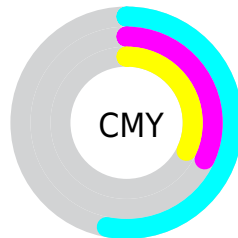


Cyan (31%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (53%)

Magenta (32%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 18.496, 197.892 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 67, 18.496, 197.892 by changing the saturation by 10% instead.

■ 67, 18.496,
197.892

■ 67, 18.496,
197.892

■ 100, 18.496,
197.892

■ 57, 18.496,
197.892

■ 87, 18.496,
197.892

■ 47, 18.496,
197.892

■ 97, 18.496,
197.892

■ 37, 18.496,
197.892

■ 27, 18.496,
197.892

■ 17, 18.496,
197.892

■ 7, 18.496, 197.892

■ 0, 18.496, 197.892

67, 18.496,
197.892

67, 18.496,
197.892

66, 23.383,
197.489

68, 13.040,
198.347

65, 27.607,
197.150

69, 7.117, 198.872

70, 0.826, 199.934

65, 31.091,
196.874

72, 5.741, 19.812

64, 33.787,
196.664

73, 12.501, 20.445

64, 35.690,
196.517

75, 19.386, 21.063

77, 26.340, 21.683

64, 36.840,
196.428

78, 32.630, 22.244

64, 37.405,
196.385

78, 32.630, 22.244

Harmonies

Complementary

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



67, 18.496, 197.892



55, 22.852, 22.013

Rectangle

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



67, 18.496, 197.892



67, 18.496, 247.892



67, 18.496, 17.892



67, 18.496, 67.892

Sweetspot

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



67, 18.496, 197.888



88, 7.068, 198.997



66, 36.173, 141.882



46, 4.888, 198.913



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 18.496, 197.888



84, 26.967, 197.587



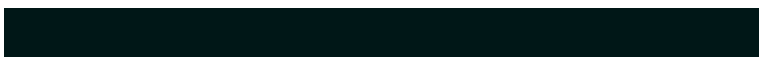
60, 17.219, 258.420



36, 3.603, 198.988



56, 33.808, 196.385



6, 7.801, 199.421

Inverse Universe

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



55, 22.852, 22.013



67, 35.272, 23.018



62, 18.927, 69.840



34, 3.818, 19.909



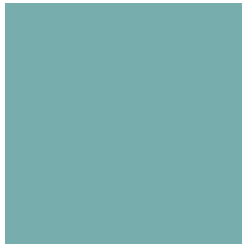
31, 69.982, 39.446



2, 7.802, 19.404

Previews

White Background



This preview shows how the CIELCh color 67, 18.496, 197.892 looks on a white background.

Color Contrast Check

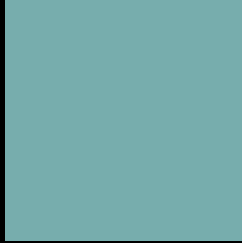
Large Text (above 18pt) WCAG AA × Fail

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 67, 18.496, 197.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

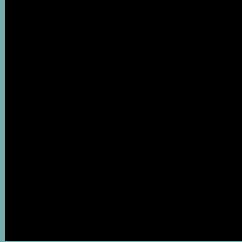
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

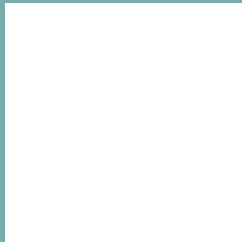
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 18.496, 197.892

Background



This preview shows how black text looks on a background with the CIELCh color 67, 18.496, 197.892.

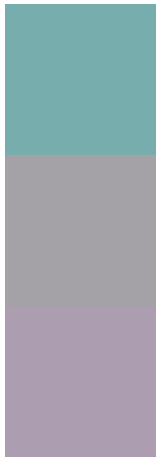


This preview shows how white text looks on a background with the CIELCh color 67, 18.496, 197.892.

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

67, 18.496, 197.892

Protanopia

67, 2.352, 309.127

Deuteranopia

67, 11.293, 318.564



Tritanopia
67, 17.880, 222.037

Trichromacy



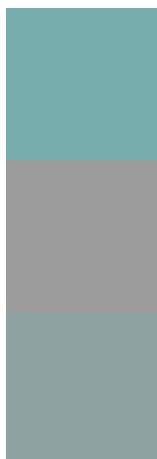
Original Color
67, 18.496, 197.892

Protanomaly
67, 7.019, 207.975

Deuteranomaly
67, 7.491, 261.908

Tritanomaly
67, 17.882, 212.462

Monochromacy



Original Color
67, 18.496, 197.892

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 7.377, 198.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 18.496, 197.892 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(119, 173, 173)` looks like.

```
.text, #text, p{  
    color:rgb(119, 173, 173)  
}
```

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(119, 173, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 173, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 18.496, 197.892 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(119, 173, 173) }
```

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

```
.border{ border-color:rgb(119, 173, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 173, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 173, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 173, 173);  
box-shadow:4px 4px 4px 4px rgb(119, 173,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 18.496, 197.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 173, 173) }
```

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

```
.background{ background-color: rgb(119,  
173, 173) }
```

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