

Converting Colors

CIELCh(67, 14.765, 198.157)

Have a look what the booklet for
CIELCh(67, 14.765, 198.157)
contains.

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Color

CIELCh(67, 14.775, 198.192)

Conversions

Conversions Part 1

Format	Color
Hex	81ABAB
RGB	129, 171, 171
RGB Percent	51%, 67%, 67%
CMY	0.4949, 0.3302, 0.3302
CMYK	0.25, 0.00, 0.00, 0.33
HSL	180°, 20%, 59%
HSV	180°, 25%, 67%
XYZ	30.8781, 36.6320, 43.8687
YIQ	158.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

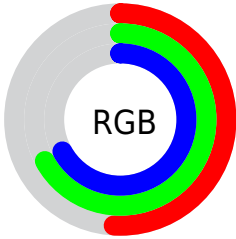
Format	Color
RYB	129, 150, 171
Decimal	8498091
CIELab	67.00, -14.04, -4.61
CIELCh	67, 14.775, 198.192
Yxy	36.6320, 0.2772, 0.3289
Android (android.graphics.Color)	4286688171 (0xFF81ABAB)
YUV	158.4420, 6.1911, -25.8206
Hunter-Lab	60.5244, -14.8510, -0.6070

Details

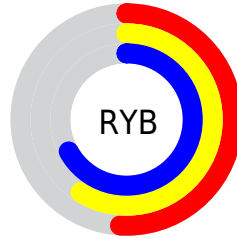
The CIELCh color **67, 14.775, 198.192** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 17.371, 21.251**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 14.605, 198.442**, and **47, 14.908, 197.803** is the 20% darker color. If you saturate the color by 10%, you get **66, 20.010, 197.748**, and if you desaturate by 10%, it is **68, 9.044, 198.687**.

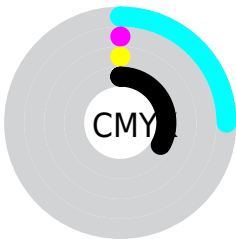
Distribution



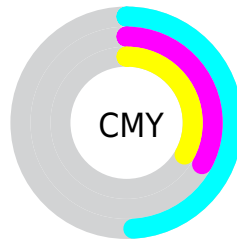
- Red (51%)
- Green (67%)
- Blue (67%)



- Red (51%)
- Yellow (59%)
- Blue (67%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (33%)





- Cyan (49%)
- Magenta (33%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 14.775, 198.192 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, 14.775, 198.192 by changing the saturation by 10% instead.


 67, 14.775,
198.192


 67, 14.775,
198.192


 100, 14.775,
198.192


 57, 14.775,
198.192


 87, 14.775,
198.192

 47, 14.775,
198.192

 97, 14.775,
198.192

 37, 14.775,
198.192

 27, 14.775,
198.192

 17, 14.775,
198.192

 7, 14.775, 198.192

 0, 14.775, 198.192

67, 14.775,
198.192

67, 14.775,
198.192

66, 20.010,
197.748

68, 9.044, 198.687

65, 24.650,
197.368

69, 2.916, 199.321

65, 28.605,
197.050

71, 3.513, 19.566

64, 31.808,
196.796

72, 10.160, 20.237

64, 34.224,
196.606

74, 16.952, 20.855

64, 35.861,
196.478

75, 23.829, 21.474

63, 36.779,
196.407

77, 30.743, 22.096

63, 37.115,

78, 33.433, 22.337

78, 33.433, 22.336

Harmonies

Complementary

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



67, 14.775, 198.192



58, 17.371, 21.251

Rectangle

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



67, 14.775, 198.192



67, 14.775, 248.192



67, 14.775, 18.192



67, 14.775, 68.192

Sweetspot

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



67, 14.776, 198.187



87, 5.473, 199.126



66, 28.226, 142.429



47, 3.580, 199.088



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, 14.776, 198.187



84, 21.823, 197.919



61, 13.495, 257.163



35, 3.516, 198.988



55, 33.389, 196.381



5, 6.572, 199.418

Inverse Universe

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



58, 17.371, 21.251



70, 26.806, 21.917



63, 14.506, 70.645



33, 3.724, 19.903



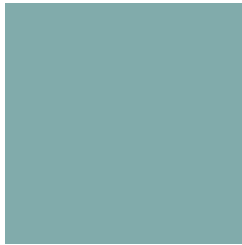
30, 69.025, 39.358



1, 6.572, 19.402

Previews

White Background



This preview shows how the CIE LCh color 67, 14.775, 198.192 looks on a white background.

Color Contrast Check

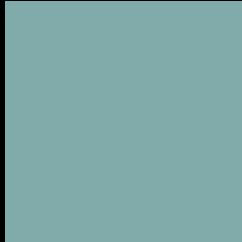
Large Text (above 18pt) WCAG AA × Fail

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 67, 14.775, 198.192 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, 14.775, 198.192

Background



This preview shows how black text looks on a background with the CIELCh color 67, 14.775, 198.192.

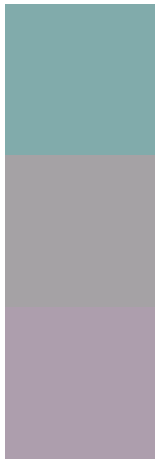


This preview shows how white text looks on a background with the CIELCh color 67, 14.775, 198.192.

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, 14.775, 198.192

Protanopia
67, 2.027, 324.430

Deuteranopia
67, 10.071, 324.887



Tritanopia
67, 14.860, 230.061

Trichromacy



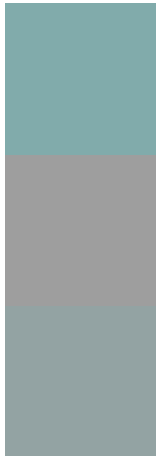
Original Color
67, 14.775, 198.192

Protanomaly
67, 4.912, 212.127

Deuteranomaly
67, 5.405, 266.606

Tritanomaly
67, 14.492, 218.549

Monochromacy



Original Color
67, 14.775, 198.192

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 5.934, 198.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 14.775, 198.192 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(129, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(129, 171, 171)  
}
```

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(129, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 171, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 14.775, 198.192 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(129, 171, 171) }
```

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

```
.border{ border-color:rgb(129, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(129, 171,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 14.775, 198.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 171, 171) }
```

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

```
.background{ background-color: rgb(129,  
171, 171) }
```

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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