

Converting Colors

CIELCh(68, 16.993, 198.274)

Have a look what the booklet for
CIELCh(68, 16.993, 198.274)
contains.

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Color

CIELCh(68, 17.262, 198.006)

Conversions

Conversions Part 1

Format	Color
Hex	7DAFAF
RGB	125, 175, 175
RGB Percent	49%, 69%, 69%
CMY	0.5109, 0.3148, 0.3148
CMYK	0.29, 0.00, 0.00, 0.31
HSL	180°, 24%, 59%
HSV	180°, 29%, 69%
XYZ	31.4013, 37.9720, 46.0854
YIQ	160.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

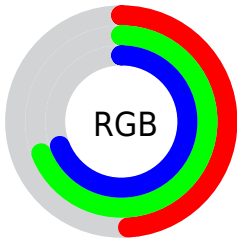
Format	Color
RYB	125, 150, 175
Decimal	8236975
CIELab	68.00, -16.42, -5.34
CIELCh	68, 17.262, 198.006
Yxy	37.9720, 0.2720, 0.3289
Android (android.graphics.Color)	4286427055 (0xFF7DAFAF)
YUV	160.0500, 7.3704, -30.7388
Hunter-Lab	61.6215, -16.8769, -1.2068

Details

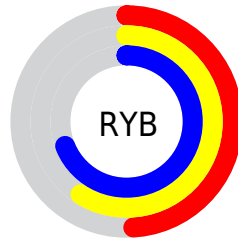
The CIELCh color **68, 17.262, 198.006** is a light color, and the websafe version is hex **669999**. A complement of this color would be **57, 20.910, 21.697**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 17.447, 196.534**, and **48, 16.942, 199.640** is the 20% darker color. If you saturate the color by 10%, you get **67, 22.359, 197.586**, and if you desaturate by 10%, it is **69, 11.617, 198.477**.

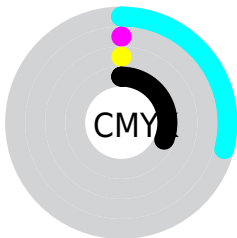
Distribution



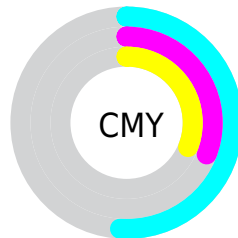
- Red (49%)
- Green (69%)
- Blue (69%)



- Red (49%)
- Yellow (59%)
- Blue (69%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (51%)
- Magenta (31%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 17.262, 198.006 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 68, 17.262, 198.006 by changing the saturation by 10% instead.

 68, 17.262,
198.006

 68, 17.262,
198.006

 100, 17.262,
198.006

 58, 17.262,
198.006

 88, 17.262,
198.006

 48, 17.262,
198.006

 98, 17.262,
198.006

 38, 17.262,
198.006

 28, 17.262,
198.006

 18, 17.262,
198.006

 8, 17.262, 198.006

 0, 17.262, 198.006

68, 17.262,
198.006

68, 17.262,
198.006

67, 22.359,
197.586

69, 11.617,
198.477

66, 26.809,
197.231

70, 5.527, 199.029

72, 0.910, 18.932

66, 30.529,
196.938

73, 7.602, 19.986

65, 33.463,
196.710

75, 14.469, 20.609

65, 35.591,
196.547

76, 21.447, 21.228

78, 28.480, 21.850

65, 36.942,
196.443

79, 31.697, 22.134

65, 37.658,
196.389

79, 31.697, 22.134

65, 37.743,

Harmonies

Complementary

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



68, 17.262, 198.006



57, 20.910, 21.697

Rectangle

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



68, 17.262, 198.006



68, 17.262, 248.006



68, 17.262, 18.006



68, 17.262, 68.006

Sweetspot

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



68, 17.262, 198.002



89, 7.133, 198.995



67, 33.447, 142.103



47, 4.978, 198.910



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 17.262, 198.002



85, 24.781, 197.746



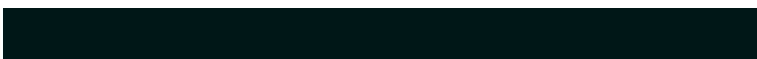
61, 15.945, 257.908



36, 3.603, 198.987



56, 33.808, 196.382



6, 7.801, 199.418

Inverse Universe

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



57, 20.910, 21.697



70, 31.407, 22.442



63, 17.372, 70.157



34, 3.818, 19.907



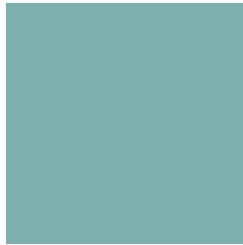
31, 69.981, 39.445



2, 7.802, 19.403

Previews

White Background



This preview shows how the CIELCh color 68, 17.262, 198.006 looks on a white background.

Color Contrast Check

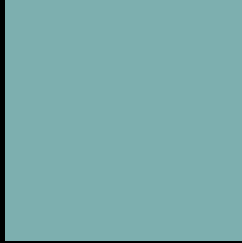
Large Text (above 18pt) WCAG AA × Fail

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 68, 17.262, 198.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

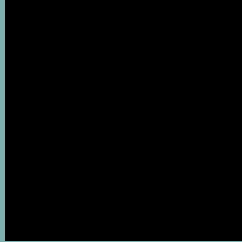
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 17.262, 198.006

Background



This preview shows how black text looks on a background with the CIELCh color 68, 17.262, 198.006.



This preview shows how white text looks on a background with the CIELCh color 68, 17.262, 198.006.

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
68, 16.966, 225.528

Trichromacy



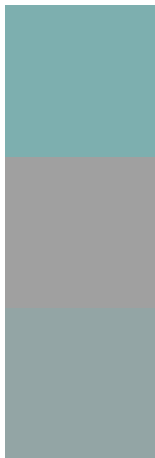
Original Color
68, 17.262, 198.006

Protanomaly
68, 5.954, 209.691

Deuteranomaly
67, 7.173, 266.966

Tritanomaly
68, 16.801, 215.454

Monochromacy



Original Color
68, 17.262, 198.006

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 6.642, 198.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 17.262, 198.006 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(125, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(125, 175, 175)  
}
```

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(125, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 175, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 17.262, 198.006 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(125, 175, 175) }
```

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

```
.border{ border-color:rgb(125, 175, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 175, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(125, 175,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 17.262, 198.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 175, 175) }
```

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

```
.background{ background-color: rgb(125,  
175, 175) }
```

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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