

Converting Colors

CIELCh(68, 16.575, 205.946)

Have a look what the booklet for
CIELCh(68, 16.575, 205.946)
contains.

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Color

CIELCh(68, 16.538, 205.814)

Conversions

Conversions Part 1

Format	Color
Hex	7EAE B2
RGB	126, 174, 178
RGB Percent	49%, 68%, 70%
CMY	0.5055, 0.3172, 0.3016
CMYK	0.29, 0.02, 0.00, 0.30
HSL	185°, 25%, 60%
HSV	185°, 29%, 70%
XYZ	31.8198, 37.9720, 47.8245
YIQ	160.1040, -29.8920, -8.9320

Conversions

Conversions Part 2

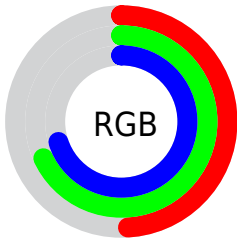
Format	Color
RYB	126, 151, 178
Decimal	8302258
CIELab	68.00, -14.89, -7.20
CIELCh	68, 16.538, 205.814
Yxy	37.9720, 0.2705, 0.3228
Android (android.graphics.Color)	4286492338 (0xFF7EAE B2)
YUV	160.1040, 8.8227, -29.9092
Hunter-Lab	61.6215, -15.6646, -2.8800

Details

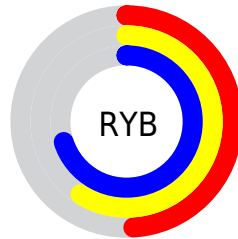
The CIELCh color $68, 16.538, 205.814$ is a light color, and the websafe version is hex 669999 . A complement of this color would be $59, 20.267, 27.788$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 16.705, 205.565$, and $48, 16.551, 203.885$ is the 20% darker color. If you saturate the color by 10%, you get $67, 21.284, 205.808$, and if you desaturate by 10%, it is $69, 11.262, 205.930$.

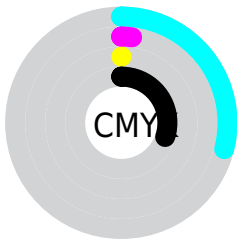
Distribution



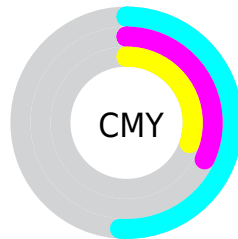
- Red (49%)
- Green (68%)
- Blue (70%)



- Red (49%)
- Yellow (59%)
- Blue (70%)



- Cyan (29%)
- Magenta (2%)
- Yellow (0%)
- Black (30%)





- Cyan (51%)
- Magenta (32%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 16.538, 205.814 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, 16.538, 205.814 by changing the saturation by 10% instead.


 68, 16.538,
205.814


 68, 16.538,
205.814


 100, 16.538,
205.814


 58, 16.538,
205.814


 88, 16.538,
205.814

 48, 16.538,
205.814

 98, 16.538,
205.814

 38, 16.538,
205.814

 28, 16.538,
205.814

 18, 16.538,
205.814

 8, 16.538, 205.814

 0, 16.538, 205.814

68, 16.538,
205.814

68, 16.538,
205.814

67, 21.284,
205.808

69, 11.262,
205.930

65, 25.402,
205.943

71, 5.553, 206.172

73, 0.496, 25.317

64, 28.808,
206.239

75, 6.801, 26.593

64, 31.439,
206.724

77, 13.292, 26.993

63, 33.271,
207.423

79, 19.910, 27.400

81, 26.605, 27.821

62, 34.327,
208.362

81, 27.882, 29.063

62, 34.766,
209.522

82, 27.480, 30.601

62, 34.795,

209.617

Harmonies

Complementary

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



68, 16.538, 205.814



59, 20.267, 27.788

Rectangle

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



68, 16.538, 205.814



68, 16.538, 255.814



68, 16.538, 25.814



68, 16.538, 75.814

Sweetspot

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



68, 16.538, 205.810



90, 6.738, 206.173



68, 33.298, 144.247



48, 4.702, 206.128



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 16.538, 205.810



85, 23.947, 205.794



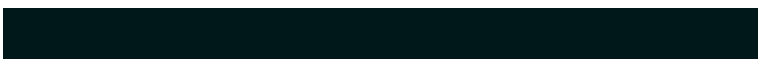
61, 18.019, 266.837



37, 3.424, 206.168



53, 31.136, 209.444



6, 8.206, 209.894

Inverse Universe

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



59, 33.085, 328.228



73, 48.995, 328.589



65, 18.892, 78.521



35, 6.405, 327.082



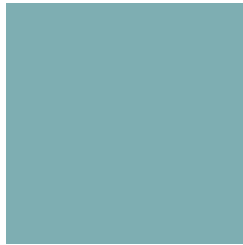
35, 74.372, 331.498



3, 15.022, 327.727

Previews

White Background



This preview shows how the CIELCh color 68, 16.538, 205.814 looks on a white background.

Color Contrast Check

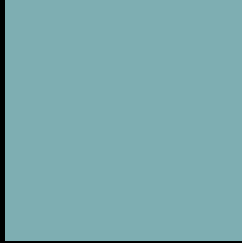
Large Text (above 18pt) WCAG AA × Fail

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 68, 16.538, 205.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

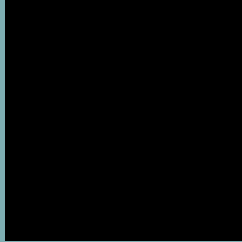
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

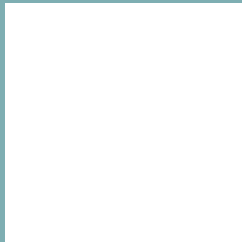
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 16.538, 205.814

Background



This preview shows how black text looks on a background with the CIELCh color 68, 16.538, 205.814.

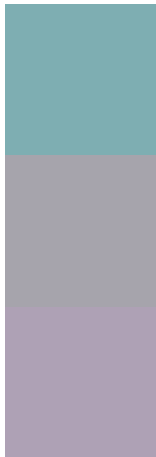


This preview shows how white text looks on a background with the CIELCh color 68, 16.538, 205.814.

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
68, 16.538, 205.814

Protanopia
68, 4.490, 300.191

Deuteranopia
68, 12.086, 314.572



Tritanopia
68, 16.700, 226.017

Trichromacy



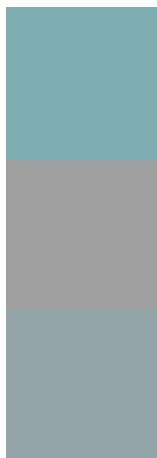
Original Color
68, 16.538, 205.814

Protanomaly
68, 6.928, 227.597

Deuteranomaly
68, 8.302, 267.965

Tritanomaly
68, 16.474, 219.990

Monochromacy



Original Color
68, 16.538, 205.814

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 6.323, 209.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 16.538, 205.814 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(126, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(126, 174, 178)  
}
```

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(126, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 174, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 16.538, 205.814 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(126, 174, 178) }
```

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

```
.border{ border-color:rgb(126, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(126, 174,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 16.538, 205.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 174, 178) }
```

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

```
.background{ background-color: rgb(126,  
174, 178) }
```

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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