

Converting Colors

CIELCh(68, 15.791, 210.110)

Have a look what the booklet for
CIELCh(68, 15.791, 210.110)
contains.

CIELCh(68, 15.948, 208.177)	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(68, 15.948, 208.177)

Conversions

Conversions Part 1

Format	Color
Hex	80AEB3
RGB	128, 174, 179
RGB Percent	50%, 68%, 70%
CMY	0.4991, 0.3188, 0.2992
CMYK	0.29, 0.03, 0.00, 0.30
HSL	186°, 25%, 60%
HSV	186°, 29%, 70%
XYZ	32.0484, 37.9720, 48.1357
YIQ	160.8160, -29.0210, -8.1970

Conversions

Conversions Part 2

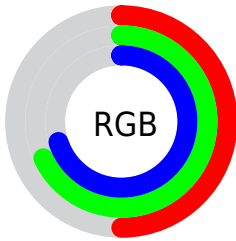
Format	Color
RYB	128, 152, 179
Decimal	8433331
CIELab	68.00, -14.06, -7.53
CIElCh	68, 15.948, 208.177
Yxy	37.9720, 0.2712, 0.3214
Android (android.graphics.Color)	4286623411 (0xFF80AEB3)
YUV	160.8160, 8.9647, -28.7796
Hunter-Lab	61.6215, -15.0022, -3.1795

Details

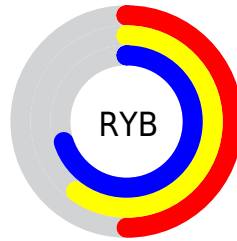
The CIELCh color **68, 15.948, 208.177** is a light color, and the websafe version is hex **669999**. A complement of this color would be **60, 19.459, 29.547**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 16.119, 207.763**, and **48, 15.952, 206.348** is the 20% darker color. If you saturate the color by 10%, you get **67, 20.658, 208.291**, and if you desaturate by 10%, it is **70, 10.723, 208.190**.

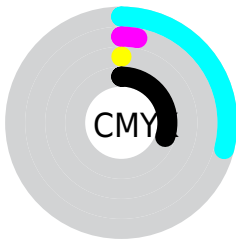
Distribution



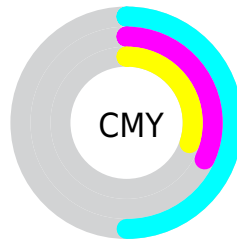
- Red (50%)
- Green (68%)
- Blue (70%)



- Red (50%)
- Yellow (60%)
- Blue (70%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)





- Cyan (50%)
- Magenta (32%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 15.948, 208.177 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, 15.948, 208.177 by changing the saturation by 10% instead.

 68, 15.948,
208.177


 68, 15.948,
208.177


 100, 15.948,
208.177


 58, 15.948,
208.177


 88, 15.948,
208.177

 48, 15.948,
208.177

 98, 15.948,
208.177

 38, 15.948,
208.177

 28, 15.948,
208.177

 18, 15.948,
208.177

 8, 15.948, 208.177

 0, 15.948, 208.177

68, 15.948,
208.177

68, 15.948,
208.177

67, 20.658,
208.291

70, 10.723,
208.190

65, 24.758,
208.569

71, 5.079, 208.349

73, 0.894, 27.862

64, 28.160,
209.039

75, 7.116, 28.611

63, 30.802,
209.736

77, 13.520, 28.941

62, 32.654,
210.696

79, 20.047, 29.284

81, 26.653, 29.645

61, 33.737,
211.956

82, 27.021, 31.459

61, 34.189,
213.510

82, 26.553, 33.545

61, 34.241,

213.744

Harmonies

Complementary

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



68, 15.948, 208.177



60, 19.459, 29.547

Rectangle

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



68, 15.948, 208.177



68, 15.948, 258.177



68, 15.948, 28.177



68, 15.948, 78.177

Sweetspot

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



68, 15.948, 208.172



90, 6.614, 208.333



68, 32.258, 144.779



48, 4.616, 208.300



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, 15.948, 208.172



85, 22.936, 208.226



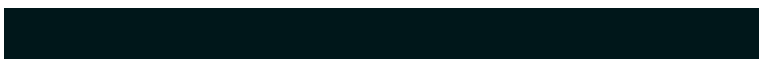
61, 17.995, 268.299



37, 3.361, 208.329



52, 30.563, 213.508



6, 8.016, 213.100

Inverse Universe

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



60, 31.964, 328.847



73, 46.955, 329.198



66, 18.708, 80.191



35, 6.312, 327.717



35, 73.168, 332.493



2, 14.705, 328.680

Previews

White Background



This preview shows how the CIELCh color 68, 15.948, 208.177 looks on a white background.

Color Contrast Check

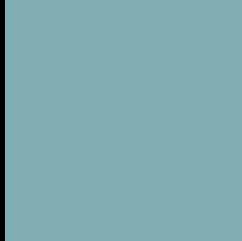
Large Text (above 18pt) WCAG AA × Fail

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, 15.948, 208.177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

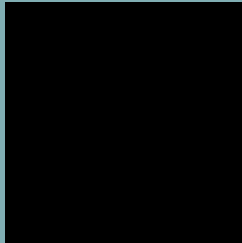
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

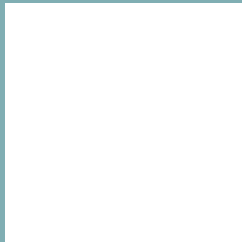
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 15.948, 208.177

Background



This preview shows how black text looks on a background with the CIELCh color 68, 15.948, 208.177.

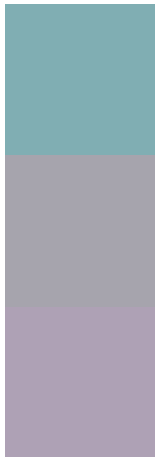


This preview shows how white text looks on a background with the CIELCh color 68, 15.948, 208.177.

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, 15.948, 208.177

Protanopia
68, 5.034, 299.184

Deuteranopia
68, 12.086, 314.572



Tritanopia
68, 16.241, 224.670

Trichromacy



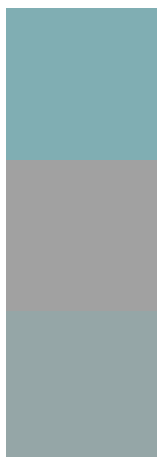
Original Color
68, 15.948, 208.177

Protanomaly
68, 6.887, 233.205

Deuteranomaly
68, 8.302, 267.965

Tritanomaly
68, 15.769, 218.871

Monochromacy



Original Color
68, 15.948, 208.177

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 6.273, 204.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 15.948, 208.177 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, 174, 179)` looks like.

```
.text, #text, p{  
    color:rgb(128, 174, 179)  
}
```

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, 174, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 174, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 15.948, 208.177 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, 174, 179) }
```

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

```
.border{ border-color:rgb(128, 174, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 174, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 174, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 174, 179);  
box-shadow:4px 4px 4px 4px rgb(128, 174,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 15.948, 208.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 174, 179) }
```

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

```
.background{ background-color: rgb(128,  
174, 179) }
```

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