

Converting Colors

CIELCh(68, 16.913, 206.927)

Have a look what the booklet for
CIELCh(68, 16.913, 206.927)
contains.

CIELCh(68, 16.856, 207.564)	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(68, 16.856, 207.564)

Conversions

Conversions Part 1

Format	Color
Hex	7DAEB3
RGB	125, 174, 179
RGB Percent	49%, 68%, 70%
CMY	0.5091, 0.3170, 0.2974
CMYK	0.30, 0.03, 0.00, 0.30
HSL	186°, 26%, 60%
HSV	186°, 30%, 70%
XYZ	31.8047, 37.9720, 48.3914
YIQ	159.9190, -30.8090, -8.8330

Conversions

Conversions Part 2

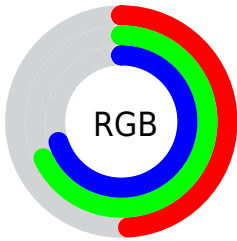
Format	Color
R_{YB}	125, 151, 179
Decimal	8236723
CIE _{Lab}	68.00, -14.94, -7.80
CIE _{LCh}	68, 16.856, 207.564
Yxy	37.9720, 0.2691, 0.3213
Android (android.graphics.Color)	4286426803 (0xFF7DAEB3)
YUV	159.9190, 9.4069, -30.6240
Hunter-Lab	61.6215, -15.7084, -3.4255

Details

The CIELCh color **68, 16.856, 207.564** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 20.828, 29.190**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 17.030, 207.201**, and **48, 17.105, 205.655** is the 20% darker color. If you saturate the color by 10%, you get **67, 21.505, 207.667**, and if you desaturate by 10%, it is **70, 11.673, 207.586**.

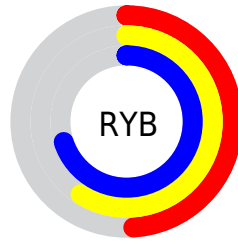
Distribution



Red (49%)

Green (68%)

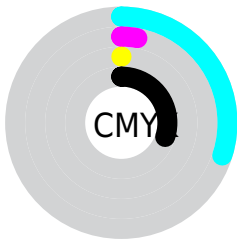
Blue (70%)



Red (49%)

Yellow (59%)

Blue (70%)

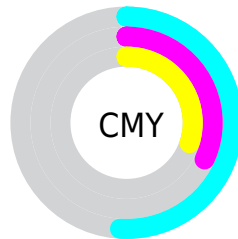


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (30%)



Cyan (51%)


Magenta (32%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 16.856, 207.564 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, 16.856, 207.564 by changing the saturation by 10% instead.

 68, 16.856,
207.564


 68, 16.856,
207.564


 100, 16.856,
207.564


 58, 16.856,
207.564


 88, 16.856,
207.564

 48, 16.856,
207.564

 98, 16.856,
207.564

 38, 16.856,
207.564

 28, 16.856,
207.564

 18, 16.856,
207.564

 8, 16.856, 207.564

 0, 16.856, 207.564

68, 16.856,
207.564

68, 16.856,
207.564

67, 21.505,
207.667

70, 11.673,
207.586

65, 25.523,
207.933

71, 6.052, 207.743

73, 0.087, 213.789

64, 28.827,
208.387

75, 6.143, 28.032

63, 31.357,
209.063

77, 12.564, 28.383

62, 33.092,
209.995

79, 19.118, 28.740

81, 25.756, 29.115

62, 34.061,
211.215

82, 27.033, 30.640

61, 34.457,
212.666

82, 26.576, 32.598

Harmonies

Complementary

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



68, 16.856, 207.564



59, 20.828, 29.190

Rectangle

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



68, 16.856, 207.564



68, 16.856, 257.564



68, 16.856, 27.564



68, 16.856, 77.564

Sweetspot

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



68, 16.856, 207.560



90, 6.645, 207.768



68, 34.135, 144.637



48, 4.637, 207.732



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, 16.856, 207.560



85, 24.184, 207.613



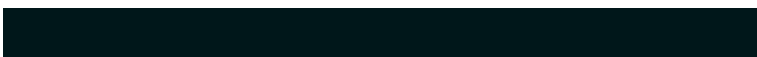
61, 19.053, 268.613



37, 3.377, 207.764



53, 30.698, 212.442



6, 8.062, 212.265

Inverse Universe

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



59, 33.943, 328.769



72, 49.820, 329.141



66, 19.856, 79.976



35, 6.336, 327.551



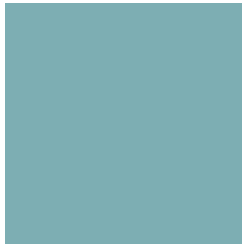
35, 73.476, 332.232



2, 14.786, 328.432

Previews

White Background



This preview shows how the CIELCh color 68, 16.856, 207.564 looks on a white background.

Color Contrast Check

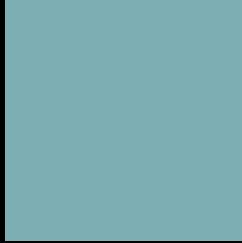
Large Text (above 18pt) WCAG AA × Fail

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, 16.856, 207.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

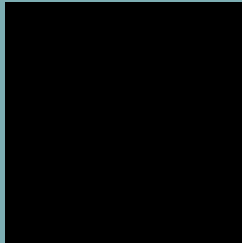
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 16.856, 207.564

Background



This preview shows how black text looks on a background with the CIELCh color 68, 16.856, 207.564.



This preview shows how white text looks on a background with the CIELCh color 68, 16.856, 207.564.

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, 16.856, 207.564

Protanopia

68, 5.034, 299.184

Deuteranopia

68, 12.455, 312.001



Tritanopia
68, 16.966, 225.528

Trichromacy



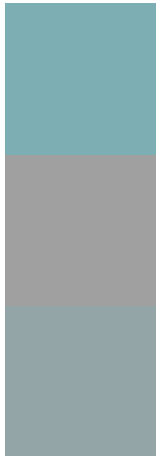
Original Color
68, 16.856, 207.564

Protanomaly
68, 7.181, 231.610

Deuteranomaly
68, 8.935, 267.336

Tritanomaly
68, 16.755, 219.588

Monochromacy



Original Color
68, 16.856, 207.564

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 6.674, 208.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 16.856, 207.564 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, 174, 179)` looks like.

```
.text, #text, p{  
    color:rgb(125, 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(125, 174, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 174, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 16.856, 207.564 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, 174, 179) }
```

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

```
.border{ border-color:rgb(125, 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(125, 174, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 174, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 174, 179);  
box-shadow:4px 4px 4px 4px rgb(125, 174,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 16.856, 207.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 174, 179) }
```

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

```
.background{ background-color: rgb(125,  
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