

Converting Colors

CIELCh(68, 12.307, 209.727)

Have a look what the booklet for
CIELCh(68, 12.307, 209.727)
contains.

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Color

CIELCh(68, 12.467, 208.675)

Conversions

Conversions Part 1

Format	Color
Hex	89ACB0
RGB	137, 172, 176
RGB Percent	54%, 67%, 69%
CMY	0.4626, 0.3254, 0.3097
CMYK	0.22, 0.02, 0.00, 0.31
HSL	186°, 20%, 61%
HSV	186°, 22%, 69%
XYZ	32.9182, 37.9720, 46.6830
YIQ	161.9910, -22.1440, -6.1760

Conversions

Conversions Part 2

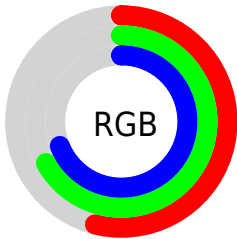
Format	Color
RYB	137, 155, 176
Decimal	9022640
CIELab	68.00, -10.94, -5.98
CIElCh	68, 12.467, 208.675
Yxy	37.9720, 0.2800, 0.3230
Android (android.graphics.Color)	4287212720 (0xFF89ACB0)
YUV	161.9910, 6.9064, -21.9171
Hunter-Lab	61.6215, -12.4828, -1.7817

Details

The CIELCh color **68, 12.467, 208.675** is a light color, and the websafe version is hex **669999**. A complement of this color would be **62, 14.486, 29.568**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 12.418, 210.842**, and **48, 12.573, 209.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 17.438, 208.723**, and if you desaturate by 10%, it is **70, 7.052, 208.749**.

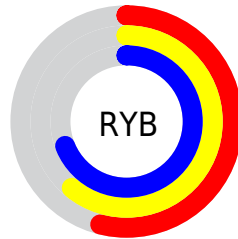
Distribution



Red (54%)

Green (67%)

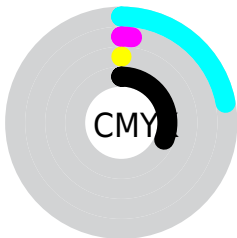
Blue (69%)



Red (54%)

Yellow (61%)

Blue (69%)

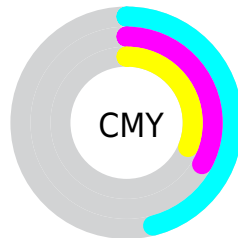


Cyan (22%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (46%)


Magenta (33%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 12.467, 208.675 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, 12.467, 208.675 by changing the saturation by 10% instead.


 68, 12.467,
208.675


 68, 12.467,
208.675


 100, 12.467,
208.675


 58, 12.467,
208.675


 88, 12.467,
208.675

 48, 12.467,
208.675

 98, 12.467,
208.675

 38, 12.467,
208.675

 28, 12.467,
208.675

 18, 12.467,
208.675

 8, 12.467, 208.675

 0, 12.467, 208.675

68, 12.467,
208.675

68, 12.467,
208.675

66, 17.438,
208.723

70, 7.052, 208.749

65, 21.869,
208.925

71, 1.282, 209.211

73, 4.760, 28.921

64, 25.668,
209.304

75, 11.004, 29.245

63, 28.757,
209.893

77, 17.389, 29.567

80, 23.867, 29.908

62, 31.084,
210.731

81, 28.292, 30.749

61, 32.636,
211.858

82, 27.794, 32.781

82, 27.334, 34.888

60, 33.453,
213.309

60, 33.747,

Harmonies

Complementary

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



68, 12.467, 208.675



62, 14.486, 29.568

Rectangle

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



68, 12.467, 208.675



68, 12.467, 258.675



68, 12.467, 28.675



68, 12.467, 78.675

Sweetspot

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



68, 12.467, 208.669



90, 5.106, 208.858



68, 24.458, 145.800



47, 3.309, 208.841



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, 12.467, 208.669



85, 18.500, 208.681



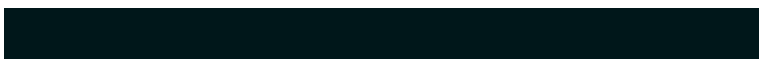
63, 14.044, 268.670



37, 3.348, 208.801



52, 30.459, 214.399



6, 7.979, 213.795

Inverse Universe

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



62, 24.454, 328.613



76, 36.964, 328.926



67, 14.385, 82.581



35, 6.292, 327.855



35, 72.914, 332.712



2, 14.639, 328.886

Previews

White Background



This preview shows how the CIELCh color 68, 12.467, 208.675 looks on a white background.

Color Contrast Check

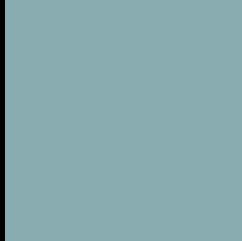
Large Text (above 18pt) WCAG AA × Fail

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, 12.467, 208.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

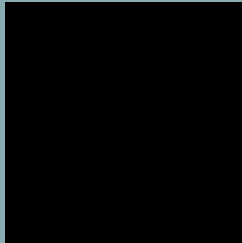
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

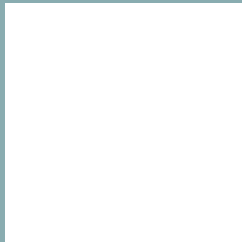
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 12.467, 208.675

Background



This preview shows how black text looks on a background with the CIELCh color 68, 12.467, 208.675.

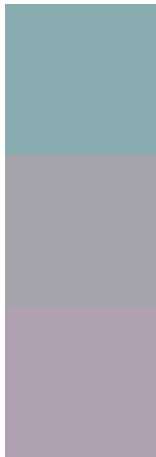


This preview shows how white text looks on a background with the CIELCh color 68, 12.467, 208.675.

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, 12.467, 208.675

Protanopia
68, 3.948, 301.490

Deuteranopia
68, 10.775, 319.916



Tritanopia
68, 12.985, 232.295

Trichromacy



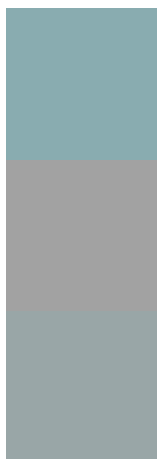
Original Color
68, 12.467, 208.675

Protanomaly
68, 5.441, 236.696

Deuteranomaly
68, 6.750, 278.359

Tritanomaly
68, 12.584, 224.682

Monochromacy



Original Color
68, 12.467, 208.675

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 4.837, 205.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 12.467, 208.675 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(137, 172, 176)` looks like.

```
.text, #text, p{  
    color:rgb(137, 172, 176)  
}
```

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(137, 172, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 172, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 12.467, 208.675 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(137, 172, 176) }
```

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

```
.border{ border-color:rgb(137, 172, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 172, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 172, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 172, 176);  
box-shadow:4px 4px 4px 4px rgb(137, 172,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 12.467, 208.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 172, 176) }
```

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

```
.background{ background-color: rgb(137,  
172, 176) }
```

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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