

Converting Colors

CIELCh(68, 35.419, 170.385)

Have a look what the booklet for
CIELCh(68, 35.419, 170.385)
contains.

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Color

CIELCh(68, 35.210, 170.548)

Conversions

Conversions Part 1

Format	Color
Hex	58B69A
RGB	88, 182, 154
RGB Percent	35%, 71%, 60%
CMY	0.6540, 0.2854, 0.3952
CMYK	0.52, 0.00, 0.15, 0.29
HSL	162°, 39%, 53%
HSV	162°, 52%, 71%
XYZ	26.6694, 37.9720, 36.5881
YIQ	150.7020, -47.0360, -28.6360

Conversions

Conversions Part 2

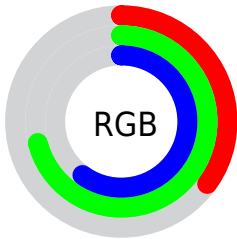
Format	Color
RYB	88, 143, 182
Decimal	5813914
CIELab	68.00, -34.73, 5.78
CIELCh	68, 35.210, 170.548
Yxy	37.9720, 0.2635, 0.3751
Android (android.graphics.Color)	4284003994 (0xFF58B69A)
YUV	150.7020, 1.6259, -54.9897
Hunter-Lab	61.6215, -30.5837, 7.9313

Details

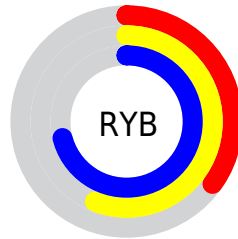
The CIELCh color **68, 35.210, 170.548** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **50, 41.070, 3.057**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 35.121, 170.533**, and **48, 34.944, 170.814** is the 20% darker color. If you saturate the color by 10%, you get **67, 40.619, 169.122**, and if you desaturate by 10%, it is **69, 29.180, 171.832**.

Distribution



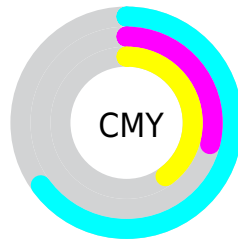
- Red (35%)
- Green (71%)
- Blue (60%)



- Red (35%)
- Yellow (56%)
- Blue (71%)



- Cyan (52%)
- Magenta (0%)
- Yellow (15%)
- Black (29%)





- Cyan (65%)
- Magenta (29%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 35.210, 170.548 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, 35.210, 170.548 by changing the saturation by 10% instead.


 68, 35.210,
170.548


 68, 35.210,
170.548


 100, 35.210,
170.548


 58, 35.210,
170.548


 88, 35.210,
170.548

 48, 35.210,
170.548

 98, 35.210,
170.548

 38, 35.210,
170.548

 28, 35.210,
170.548

 18, 35.210,
170.548

 8, 35.210, 170.548

 0, 35.210, 170.548

68, 35.210,
170.548

68, 35.210,
170.548

67, 40.619,
169.122

69, 29.180,
171.832

67, 45.316,
167.532

70, 22.642,
173.001

66, 49.256,
165.757

71, 15.716,
174.077

66, 52.451,
163.785

72, 8.523, 175.088

74, 1.167, 176.339

66, 54.726,
162.039

75, 6.260, 356.751

77, 13.686,
357.608

79, 21.054,
358.398

■ 81, 28.323,
359.146

Harmonies

Complementary

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



68, 35.210, 170.548



50, 41.070, 3.057

Rectangle

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



68, 35.210, 170.548



68, 35.210, 220.548



68, 35.210, 350.548



68, 35.210, 40.548

Sweetspot

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



68, 35.211, 170.547



91, 13.629, 174.721



68, 56.157, 133.133



49, 9.354, 174.510



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 35.211, 170.547



85, 50.377, 168.900



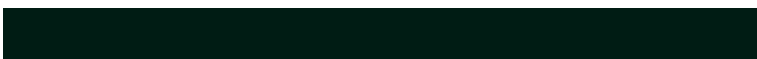
63, 24.750, 223.058



38, 4.202, 175.312



57, 48.469, 162.328



8, 12.476, 168.671

Inverse Universe

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



50, 41.070, 3.057



59, 60.477, 5.815



53, 36.486, 39.912



36, 4.316, 356.915



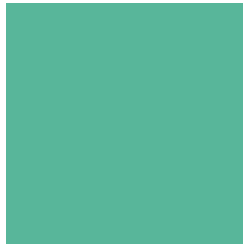
32, 60.412, 20.460



2, 11.203, 1.894

Previews

White Background



This preview shows how the CIE LCh color 68, 35.210, 170.548 looks on a white background.

Color Contrast Check

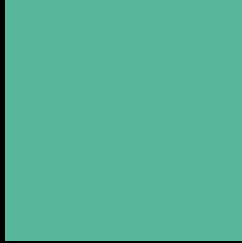
Large Text (above 18pt) WCAG AA × Fail

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, 35.210, 170.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

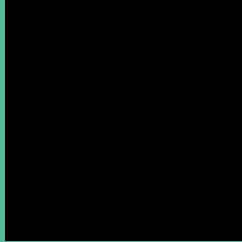
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 35.210, 170.548

Background



This preview shows how black text looks on a background with the CIELCh color 68, 35.210, 170.548.

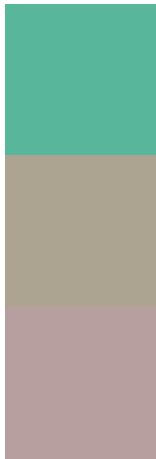


This preview shows how white text looks on a background with the CIELCh color 68, 35.210, 170.548.

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, 35.210, 170.548

Protanopia
68, 10.902, 92.057

Deuteranopia
68, 9.381, 20.215



Tritanopia
68, 24.737, 215.979

Trichromacy



Original Color
68, 35.210, 170.548



Protanomaly
67, 16.912, 149.633



Deuteranomaly
67, 8.821, 159.962

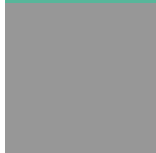


Tritanomaly
68, 26.479, 196.086

Monochromacy



Original Color
68, 35.210, 170.548



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 13.865, 174.429

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 35.210, 170.548 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(88, 182, 154)` looks like.

```
.text, #text, p{  
    color:rgb(88, 182, 154)  
}
```

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(88, 182, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 182, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 35.210, 170.548 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(88, 182, 154) }
```

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

```
.border{ border-color:rgb(88, 182, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 182, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 182, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 182, 154);  
box-shadow:4px 4px 4px 4px rgb(88, 182,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 35.210, 170.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 182, 154) }
```

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

```
.background{ background-color: rgb(88, 182,  
154) }
```

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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