

Converting Colors

CIELCh(68, 34.422, 174.738)

Have a look what the booklet for
CIELCh(68, 34.422, 174.738)
contains.

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Color

CIELCh(68, 34.351, 174.912)

Conversions

Conversions Part 1

Format	Color
Hex	55B69F
RGB	85, 182, 159
RGB Percent	33%, 71%, 62%
CMY	0.6660, 0.2856, 0.3758
CMYK	0.53, 0.00, 0.13, 0.29
HSL	166°, 40%, 52%
HSV	166°, 53%, 71%
XYZ	26.7958, 37.9720, 38.7905
YIQ	150.3750, -50.4290, -27.7170

Conversions

Conversions Part 2

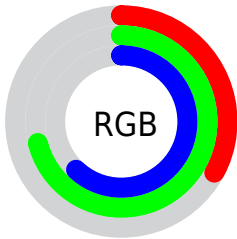
Format	Color
RYB	85, 140, 182
Decimal	5617311
CIELab	68.00, -34.22, 3.05
CIELCh	68, 34.351, 174.912
Yxy	37.9720, 0.2588, 0.3667
Android (android.graphics.Color)	4283807391 (0xFF55B69F)
YUV	150.3750, 4.2521, -57.3339
Hunter-Lab	61.6215, -30.2176, 5.8121

Details

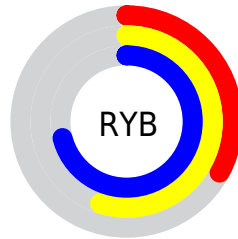
The CIELCh color **68, 34.351, 174.912** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **49, 42.005, 7.996**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 33.963, 175.416**, and **48, 34.015, 175.522** is the 20% darker color. If you saturate the color by 10%, you get **67, 39.190, 173.562**, and if you desaturate by 10%, it is **69, 28.844, 176.136**.

Distribution



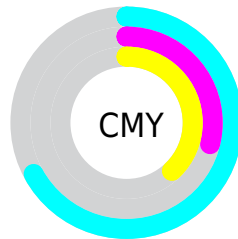
- Red (33%)
- Green (71%)
- Blue (62%)



- Red (33%)
- Yellow (55%)
- Blue (71%)



- Cyan (53%)
- Magenta (0%)
- Yellow (13%)
- Black (29%)





- Cyan (67%)
- Magenta (29%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 34.351, 174.912 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, 34.351, 174.912 by changing the saturation by 10% instead.


 68, 34.351,
174.912

 68, 34.351,
174.912


 100, 34.351,
174.912


 58, 34.351,
174.912


 88, 34.351,
174.912

 48, 34.351,
174.912

 98, 34.351,
174.912

 38, 34.351,
174.912

 28, 34.351,
174.912

 18, 34.351,
174.912

 8, 34.351, 174.912

 0, 34.351, 174.912

68, 34.351,
174.912

68, 34.351,
174.912

67, 39.190,
173.562

69, 28.844,
176.136

67, 43.282,
172.067

70, 22.770,
177.262

66, 46.599,
170.404

71, 16.249,
178.309

66, 49.171,
168.560

72, 9.397, 179.301

74, 2.322, 180.368

66, 50.637,
167.264

75, 4.881, 0.942

77, 12.133, 1.830

79, 19.374, 2.640

81, 26.556, 3.413

Harmonies

Complementary

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



68, 34.351, 174.912



49, 42.005, 7.996

Rectangle

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



68, 34.351, 174.912



68, 34.351, 224.912



68, 34.351, 354.912



68, 34.351, 44.912

Sweetspot

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



68, 34.351, 174.911



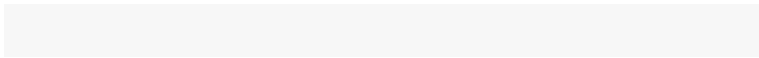
91, 14.012, 179.005



68, 58.682, 134.422



48, 9.509, 178.802



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, 34.351, 174.911



85, 48.739, 173.300



61, 25.164, 230.954



38, 4.063, 179.685



57, 44.896, 167.530



8, 11.918, 173.361

Inverse Universe

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



49, 42.005, 7.996



58, 62.157, 11.142



54, 36.886, 44.371



36, 4.198, 1.267



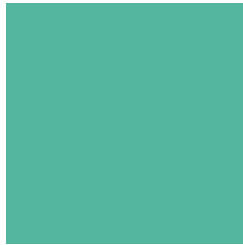
32, 62.368, 25.707



2, 11.006, 5.295

Previews

White Background



This preview shows how the CIELCh color 68, 34.351, 174.912 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, 34.351, 174.912 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, 34.351, 174.912

Background



This preview shows how black text looks on a background with the CIELCh color 68, 34.351, 174.912.

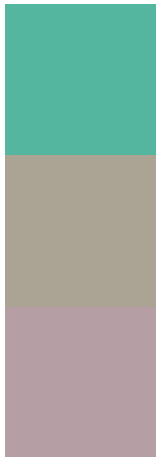


This preview shows how white text looks on a background with the CIELCh color 68, 34.351, 174.912.

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](#).

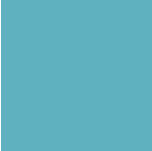
Dichromacy



Original Color
68, 34.351, 174.912

Protanopia
68, 8.680, 90.726

Deuteranopia
68, 8.928, 2.305



Tritanopia
68, 25.708, 216.524

Trichromacy



Original Color
68, 34.351, 174.912



Protanomaly
67, 15.422, 158.106



Deuteranomaly
67, 8.324, 179.309



Tritanomaly
68, 27.228, 198.418

Monochromacy



Original Color
68, 34.351, 174.912



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 13.700, 179.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 34.351, 174.912 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(85, 182, 159)` looks like.

```
.text, #text, p{  
    color:rgb(85, 182, 159)  
}
```

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(85, 182, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 182, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 34.351, 174.912 is called "border". The border property can be set on classes, ids or directly on the HTML element.

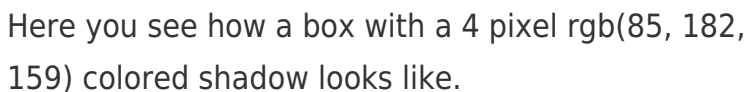
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(85, 182, 159) }
```

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

```
.border{ border-color:rgb(85, 182, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(85, 182, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 182, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 182, 159);  
box-shadow:4px 4px 4px 4px rgb(85, 182,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 34.351, 174.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 182, 159) }
```

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

```
.background{ background-color: rgb(85, 182,  
159) }
```

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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