

Converting Colors

CIELCh(68, 37.295, 169.956)

Have a look what the booklet for
CIELCh(68, 37.295, 169.956)
contains.

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Color

CIELCh(68, 37.335, 170.118)

Conversions

Conversions Part 1

Format	Color
Hex	52B799
RGB	82, 183, 153
RGB Percent	32%, 72%, 60%
CMY	0.6783, 0.2823, 0.3999
CMYK	0.55, 0.00, 0.16, 0.28
HSL	162°, 41%, 52%
HSV	162°, 55%, 72%
XYZ	26.1717, 37.9720, 36.0968
YIQ	149.3810, -50.5660, -30.7420

Conversions

Conversions Part 2

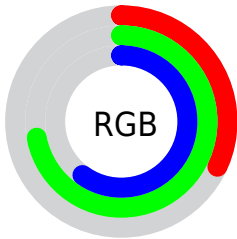
Format	Color
RYB	82, 141, 183
Decimal	5420953
CIELab	68.00, -36.78, 6.41
CIELCh	68, 37.335, 170.118
Yxy	37.9720, 0.2611, 0.3788
Android (android.graphics.Color)	4283611033 (0xFF52B799)
YUV	149.3810, 1.7842, -59.0931
Hunter-Lab	61.6215, -32.0255, 8.4040

Details

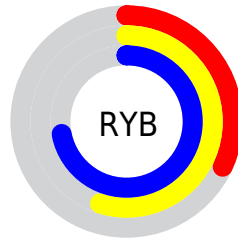
The CIELCh color **68, 37.335, 170.118** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **49, 44.007, 3.922**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 37.675, 169.687**, and **48, 37.189, 170.251** is the 20% darker color. If you saturate the color by 10%, you get **67, 42.506, 168.636**, and if you desaturate by 10%, it is **69, 31.504, 171.449**.

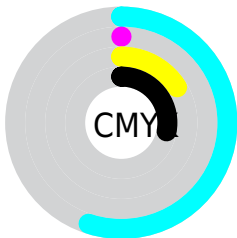
Distribution



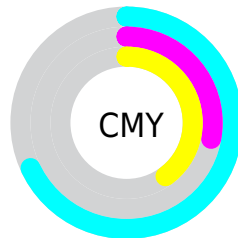
- Red (32%)
- Green (72%)
- Blue (60%)



- Red (32%)
- Yellow (55%)
- Blue (72%)



- Cyan (55%)
- Magenta (0%)
- Yellow (16%)
- Black (28%)




- Cyan (68%)
- Magenta (28%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.335, 170.118 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, 37.335, 170.118 by changing the saturation by 10% instead.

 68, 37.335,
170.118


 68, 37.335,
170.118


 100, 37.335,
170.118


 58, 37.335,
170.118


 88, 37.335,
170.118

 48, 37.335,
170.118

 98, 37.335,
170.118

 38, 37.335,
170.118

 28, 37.335,
170.118

 18, 37.335,
170.118

 8, 37.335, 170.118

 0, 37.335, 170.118

68, 37.335,
170.118

68, 37.335,
170.118

67, 42.506,
168.636

69, 31.504,
171.449

67, 46.940,
166.982

70, 25.119,
172.657

66, 50.610,
165.137

71, 18.300,
173.764

66, 53.557,
163.098

72, 11.170,
174.794

66, 54.846,
162.107

74, 3.840, 175.814

75, 3.593, 356.457

77, 11.051,
357.377

79, 18.469,
358.186

■ 81, 25.802,
358.948

Harmonies

Complementary

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



68, 37.335, 170.118



49, 44.007, 3.922

Rectangle

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



68, 37.335, 170.118



68, 37.335, 220.118



68, 37.335, 350.118



68, 37.335, 40.118

Sweetspot

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



68, 37.336, 170.117



91, 15.405, 174.582



68, 59.963, 132.948



48, 10.364, 174.379



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, 37.336, 170.117



85, 52.712, 168.335



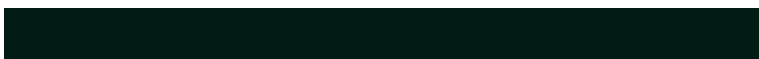
63, 26.059, 223.582



38, 4.199, 175.378



57, 48.412, 162.403



8, 12.467, 168.739

Inverse Universe

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



49, 44.007, 3.922



57, 63.867, 7.058



52, 39.718, 40.127



36, 4.314, 356.981



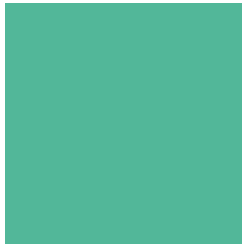
32, 60.438, 20.545



2, 11.199, 1.946

Previews

White Background



This preview shows how the CIE LCh color 68, 37.335, 170.118 looks on a white background.

Color Contrast Check

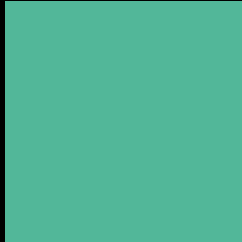
Large Text (above 18pt) WCAG AA × Fail

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, 37.335, 170.118 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, 37.335, 170.118

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.335, 170.118.

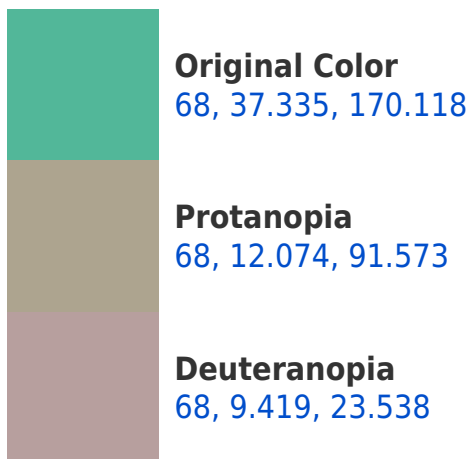


This preview shows how white text looks on a background with the CIELCh color 68, 37.335, 170.118.

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





Tritanopia
68, 26.086, 214.895

Trichromacy



Original Color
68, 37.335, 170.118



Protanomaly
67, 17.835, 150.202



Deuteranomaly
67, 10.693, 160.257

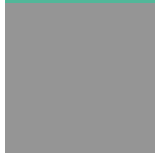


Tritanomaly
68, 28.255, 194.898

Monochromacy



Original Color
68, 37.335, 170.118



Achromatopsia
62, 0.008, 296.813



Achromatomaly
63, 14.783, 173.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.335, 170.118 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(82, 183, 153)` looks like.

```
.text, #text, p{  
    color:rgb(82, 183, 153)  
}
```

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(82, 183, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 183, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.335, 170.118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

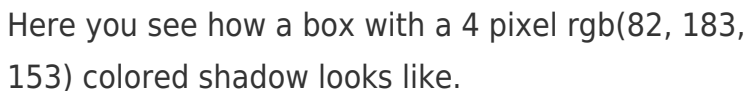
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(82, 183, 153) }
```

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

```
.border{ border-color:rgb(82, 183, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(82, 183, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(82, 183, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(82, 183, 153); box-shadow:4px 4px 4px 4px rgb(82, 183, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.335, 170.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 183, 153) }
```

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

```
.background{ background-color: rgb(82, 183,  
153) }
```

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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