

Converting Colors

CIELCh(67, 38.654, 171.396)

Have a look what the booklet for
CIELCh(67, 38.654, 171.396)
contains.

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Color

CIELCh(67, 38.900, 171.018)

Conversions

Conversions Part 1

Format	Color
Hex	48B597
RGB	72, 181, 151
RGB Percent	28%, 71%, 59%
CMY	0.7179, 0.2904, 0.4081
CMYK	0.60, 0.00, 0.17, 0.29
HSL	163°, 43%, 50%
HSV	163°, 60%, 71%
XYZ	24.7611, 36.6320, 35.0202
YIQ	144.9890, -55.3340, -32.4380

Conversions

Conversions Part 2

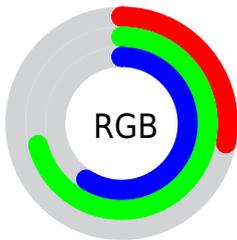
Format	Color
RYB	72, 135, 181
Decimal	4765079
CIELab	67.00, -38.42, 6.07
CIElCh	67, 38.900, 171.018
Yxy	36.6320, 0.2568, 0.3799
Android (android.graphics.Color)	4282955159 (0xFF48B597)
YUV	144.9890, 2.9634, -64.0114
Hunter-Lab	60.5244, -32.8914, 8.0610

Details

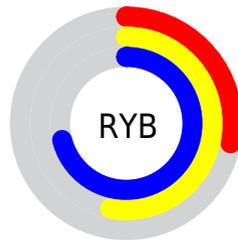
The CIELCh color **67, 38.900, 171.018** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **46, 47.253, 6.812**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 38.594, 171.071**, and **47, 37.369, 170.243** is the 20% darker color. If you saturate the color by 10%, you get **66, 43.493, 169.490**, and if you desaturate by 10%, it is **68, 33.602, 172.391**.

Distribution



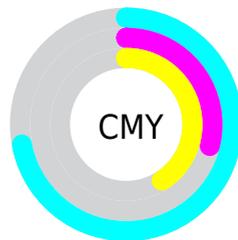
- Red (28%)
- Green (71%)
- Blue (59%)



- Red (28%)
- Yellow (53%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)



- Cyan (72%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 38.900, 171.018 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 67, 38.900, 171.018 by changing the saturation by 10% instead.

 67, 38.900,
171.018

 67, 38.900,
171.018

 100, 38.900,
171.018

 57, 38.900,
171.018

 87, 38.900,
171.018

 47, 38.900,
171.018

 97, 38.900,
171.018

 37, 38.900,
171.018

 27, 38.900,
171.018

 17, 38.900,
171.018

 7, 38.900, 171.018

 0, 38.900, 171.018

67, 38.900,
171.018

67, 38.900,
171.018

66, 43.493,
169.490

68, 33.602,
172.391

66, 47.330,
167.786

69, 27.688,
173.635

66, 50.417,
165.892

70, 21.272,
174.773

65, 52.882,
163.921

71, 14.472,
175.827

72, 7.404, 176.828

74, 0.173, 180.290

75, 7.135, 358.475

77, 14.447,
359.325

Harmonies

Complementary

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



67, 38.900, 171.018



46, 47.253, 6.812

Rectangle

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



67, 38.900, 171.018



67, 38.900, 221.018



67, 38.900, 351.018



67, 38.900, 41.018

Sweetspot

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



67, 38.900, 171.017



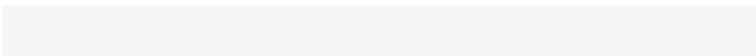
90, 15.933, 176.024



67, 64.568, 133.164



47, 11.020, 175.732



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 38.900, 171.017



84, 54.307, 169.004



61, 27.309, 227.050



37, 4.052, 176.921



56, 46.514, 164.223



7, 10.483, 171.021

Inverse Universe

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



46, 47.253, 6.812



55, 68.042, 10.789



50, 43.348, 41.796



35, 4.171, 358.515



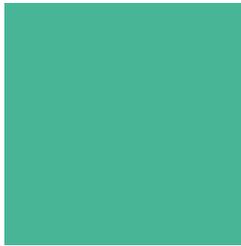
32, 60.314, 22.394



2, 9.620, 2.297

Previews

White Background



This preview shows how the CIE LCh color 67, 38.900, 171.018 looks on a white background.

Color Contrast Check

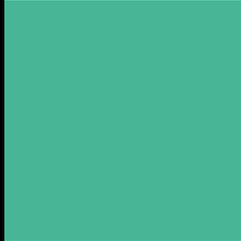
Large Text (above 18pt) WCAG AA × Fail

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 67, 38.900, 171.018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

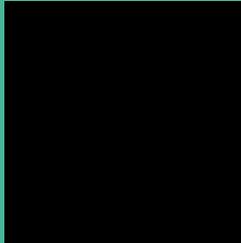
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

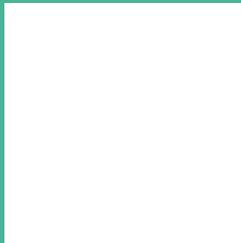
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 38.900, 171.018

Background



This preview shows how black text looks on a background with the CIELCh color 67, 38.900, 171.018.



This preview shows how white text looks on a background with the CIELCh color 67, 38.900, 171.018.

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](#).

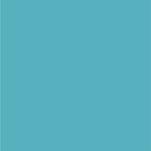
Dichromacy



Original Color
67, 38.900, 171.018

Protanopia
66, 11.589, 90.818

Deuteranopia
67, 9.043, 23.657



Tritanopia
67, 27.531, 213.881

Trichromacy



Original Color
67, 38.900, 171.018



Protanomaly
66, 18.250, 153.737

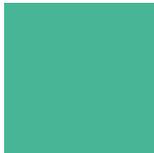


Deuteranomaly
66, 11.602, 163.484



Tritanomaly
67, 29.765, 194.870

Monochromacy



Original Color
67, 38.900, 171.018



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 16.087, 175.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 38.900, 171.018 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(72, 181, 151)` looks like.

```
.text, #text, p{  
    color:rgb(72, 181, 151)  
}
```

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(72, 181, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 181, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 38.900, 171.018 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(72, 181, 151) }
```

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

```
.border{ border-color:rgb(72, 181, 151) }
```

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

Here you see how a box with a 4 pixel rgb(72, 181, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 181, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 181, 151);  
box-shadow:4px 4px 4px 4px rgb(72, 181,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 38.900, 171.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 181, 151) }
```

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

```
.background{ background-color: rgb(72, 181,  
151) }
```

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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