

Converting Colors

CIELCh(67, 35.534, 178.303)

Have a look what the booklet for
CIELCh(67, 35.534, 178.303)
contains.

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Color

CIELCh(67, 35.542, 178.317)

Conversions

Conversions Part 1

Format	Color
Hex	49B4A0
RGB	73, 180, 160
RGB Percent	29%, 71%, 63%
CMY	0.7134, 0.2938, 0.3723
CMYK	0.59, 0.00, 0.11, 0.29
HSL	169°, 42%, 50%
HSV	169°, 59%, 71%
XYZ	25.4410, 36.6320, 39.0195
YIQ	145.7270, -57.3520, -28.9040

Conversions

Conversions Part 2

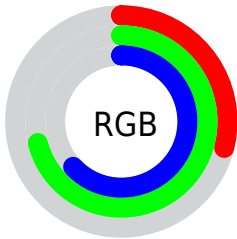
Format	Color
RYB	73, 132, 180
Decimal	4830368
CIELab	67.00, -35.53, 1.04
CIElCh	67, 35.542, 178.317
Yxy	36.6320, 0.2517, 0.3624
Android (android.graphics.Color)	4283020448 (0xFF49B4A0)
YUV	145.7270, 7.0366, -63.7816
Hunter-Lab	60.5244, -30.8864, 4.1433

Details

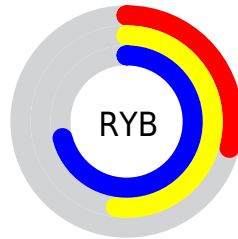
The CIELCh color **67, 35.542, 178.317** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **46, 46.466, 13.391**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 35.190, 178.767**, and **47, 33.829, 178.487** is the 20% darker color. If you saturate the color by 10%, you get **66, 39.523, 177.026**, and if you desaturate by 10%, it is **68, 30.824, 179.493**.

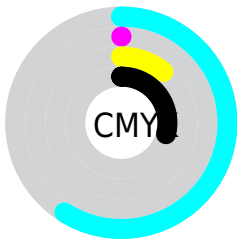
Distribution



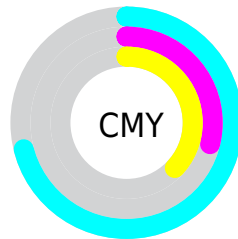
- Red (29%)
- Green (71%)
- Blue (63%)



- Red (29%)
- Yellow (52%)
- Blue (71%)



- Cyan (59%)
- Magenta (0%)
- Yellow (11%)
- Black (29%)





- Cyan (71%)
- Magenta (29%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 35.542, 178.317 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, 35.542, 178.317 by changing the saturation by 10% instead.


 67, 35.542,
178.317


 67, 35.542,
178.317


 100, 35.542,
178.317


 57, 35.542,
178.317


 87, 35.542,
178.317

 47, 35.542,
178.317

 97, 35.542,
178.317

 37, 35.542,
178.317

 27, 35.542,
178.317

 17, 35.542,
178.317

 7, 35.542, 178.317

 0, 35.542, 178.317

67, 35.542,
178.317

67, 35.542,
178.317

66, 39.523,
177.026

68, 30.824,
179.493

66, 42.724,
175.602

69, 25.451,
180.581

66, 45.154,
174.023

70, 19.528,
181.597

66, 46.973,
172.319

71, 13.170,
182.561

66, 47.076,
172.221

72, 6.489, 183.504

73, 0.412, 3.144

75, 7.444, 5.067

77, 14.534, 5.904

79, 21.623, 6.694

Harmonies

Complementary

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



67, 35.542, 178.317



46, 46.466, 13.391

Rectangle

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



67, 35.542, 178.317



67, 35.542, 228.317



67, 35.542, 358.317



67, 35.542, 48.317

Sweetspot

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



67, 35.542, 178.316



90, 15.170, 182.666



66, 65.091, 135.313



47, 10.476, 182.394



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, 35.542, 178.316



84, 49.369, 176.642



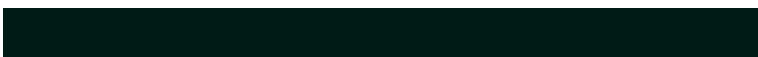
58, 27.391, 240.182



37, 3.876, 183.513



56, 41.621, 172.468



7, 9.858, 178.408

Inverse Universe

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



46, 46.466, 13.391



55, 68.242, 17.470



52, 40.807, 48.897



35, 4.026, 5.033



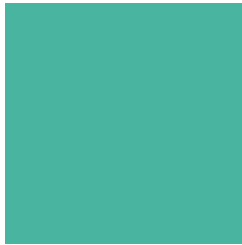
31, 63.522, 29.549



2, 9.381, 7.578

Previews

White Background



This preview shows how the CIELCh color 67, 35.542, 178.317 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, 35.542, 178.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

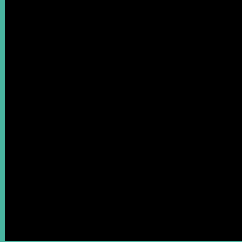
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

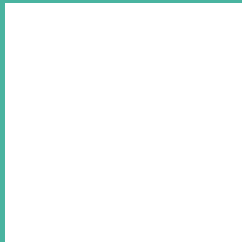
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 35.542, 178.317

Background



This preview shows how black text looks on a background with the CIELCh color 67, 35.542, 178.317.

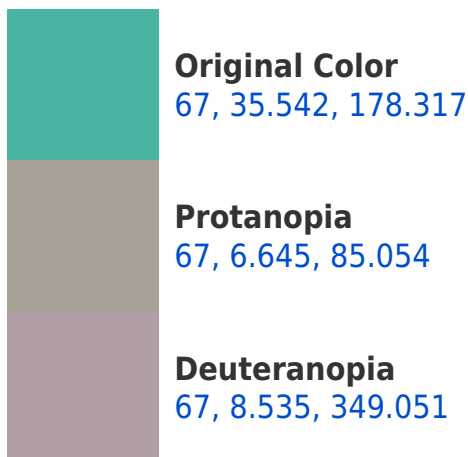


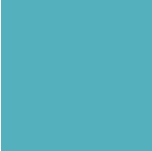
This preview shows how white text looks on a background with the CIELCh color 67, 35.542, 178.317.

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
67, 27.732, 213.744

Trichromacy



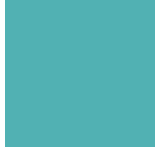
Original Color
67, 35.542, 178.317



Protanomaly
66, 15.250, 167.518



Deuteranomaly
66, 9.610, 191.957



Tritanomaly
67, 29.089, 199.294

Monochromacy



Original Color
67, 35.542, 178.317



Achromatopsia
61, 0.008, 296.813



Achromatomaly
62, 14.841, 182.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 35.542, 178.317 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(73, 180, 160)` looks like.

```
.text, #text, p{  
    color:rgb(73, 180, 160)  
}
```

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(73, 180, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 180, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 35.542, 178.317 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(73, 180, 160) }
```

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

```
.border{ border-color:rgb(73, 180, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 180, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 180, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 180, 160);  
box-shadow:4px 4px 4px 4px rgb(73, 180,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 35.542, 178.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 180, 160) }
```

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

```
.background{ background-color: rgb(73, 180,  
160) }
```

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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