

Converting Colors

CIELCh(67, 33.817, 185.311)

Have a look what the booklet for
CIELCh(67, 33.817, 185.311)
contains.

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Color

CIElCh(67, 33.958, 185.325)

Conversions

Conversions Part 1

Format	Color
Hex	47B4A8
RGB	71, 180, 168
RGB Percent	28%, 71%, 66%
CMY	0.7232, 0.2955, 0.3426
CMYK	0.61, 0.00, 0.07, 0.30
HSL	173°, 44%, 49%
HSV	173°, 61%, 70%
XYZ	25.8494, 36.6320, 42.5796
YIQ	146.0410, -61.1120, -26.8400

Conversions

Conversions Part 2

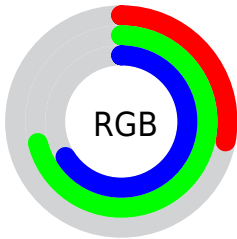
Format	Color
RYB	71, 129, 180
Decimal	4699304
CIELab	67.00, -33.81, -3.15
CIElCh	67, 33.958, 185.325
Yxy	36.6320, 0.2460, 0.3487
Android (android.graphics.Color)	4282889384 (0xFF47B4A8)
YUV	146.0410, 10.8258, -65.8110
Hunter-Lab	60.5244, -29.6818, 0.6558

Details

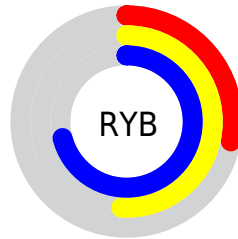
The CIELCh color **67, 33.958, 185.325** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **45, 48.068, 19.614**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 33.946, 185.513**, and **48, 32.259, 184.363** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.323, 184.356**, and if you desaturate by 10%, it is **68, 29.814, 186.232**.

Distribution



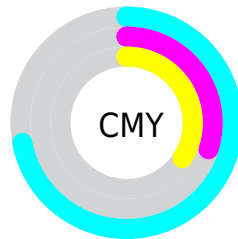
- Red (28%)
- Green (71%)
- Blue (66%)



- Red (28%)
- Yellow (51%)
- Blue (71%)



- Cyan (61%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)





- Cyan (72%)
- Magenta (30%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 33.958, 185.325 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, 33.958, 185.325 by changing the saturation by 10% instead.


 67, 33.958,
185.325


 67, 33.958,
185.325


 100, 33.958,
185.325


 57, 33.958,
185.325


 87, 33.958,
185.325

 47, 33.958,
185.325

 97, 33.958,
185.325

 37, 33.958,
185.325

 27, 33.958,
185.325

 17, 33.958,
185.325

 7, 33.958, 185.325

 0, 33.958, 185.325

■ 67, 33.958,
185.325

■ 67, 33.958,
185.325

■ 67, 37.323,
184.356

■ 68, 29.814,
186.232

■ 66, 39.881,
183.310

■ 68, 24.960,
187.098

■ 66, 41.658,
182.169

■ 69, 19.491,
187.934

■ 66, 42.789,
181.040

■ 70, 13.514,
188.753

■ 72, 7.142, 189.576

■ 73, 0.478, 191.315

■ 75, 6.384, 10.973

■ 76, 13.366, 11.767

■ 78, 20.403, 12.521

Harmonies

Complementary

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



67, 33.958, 185.325



45, 48.068, 19.614

Rectangle

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



67, 33.958, 185.325



67, 33.958, 235.325



67, 33.958, 5.325



67, 33.958, 55.325

Sweetspot

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



67, 33.958, 185.324



90, 14.677, 188.949



66, 67.719, 137.064



47, 10.120, 188.715



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, 33.958, 185.324



85, 46.802, 183.994



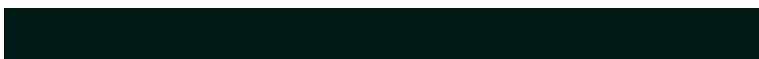
55, 29.636, 253.154



37, 3.767, 189.695



57, 37.953, 181.211



7, 9.433, 186.212

Inverse Universe

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



45, 48.068, 19.614



54, 71.930, 24.111



54, 40.805, 56.585



35, 3.945, 11.048



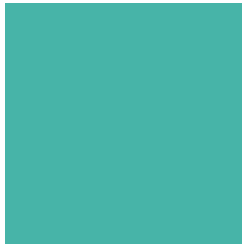
31, 66.778, 34.604



2, 9.240, 12.376

Previews

White Background



This preview shows how the CIELCh color 67, 33.958, 185.325 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, 33.958, 185.325 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

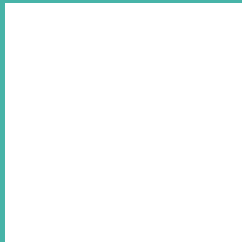
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 33.958, 185.325

Background



This preview shows how black text looks on a background with the CIELCh color 67, 33.958, 185.325.

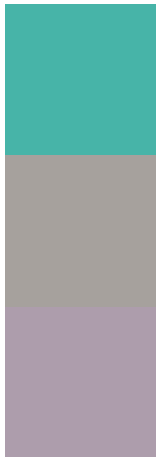


This preview shows how white text looks on a background with the CIELCh color 67, 33.958, 185.325.

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

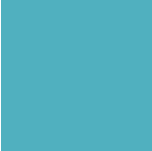
67, 33.958, 185.325

Protanopia

67, 2.915, 68.452

Deuteranopia

67, 10.298, 326.655



Tritanopia
67, 28.743, 214.263

Trichromacy



Original Color
67, 33.958, 185.325



Protanomaly
66, 14.067, 182.149



Deuteranomaly
66, 10.647, 213.762



Tritanomaly
67, 29.594, 203.603

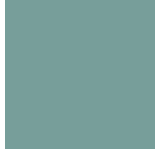
Monochromacy



Original Color
67, 33.958, 185.325



Achromatopsia
61, 0.008, 296.813



Achromatomaly
62, 14.327, 189.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 33.958, 185.325 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(71, 180, 168)` looks like.

```
.text, #text, p{  
    color:rgb(71, 180, 168)  
}
```

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(71, 180, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 180, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 33.958, 185.325 is called "border". The border property can be set on classes, ids or directly on the HTML element.

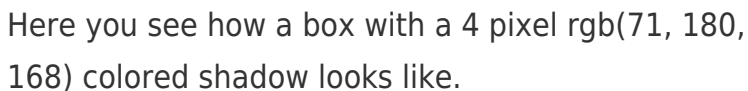
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 180, 168) }
```

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

```
.border{ border-color:rgb(71, 180, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 180, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 180, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 180, 168);  
box-shadow:4px 4px 4px 4px rgb(71, 180,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 33.958, 185.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 180, 168) }
```

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

```
.background{ background-color: rgb(71, 180,  
168) }
```

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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