

Converting Colors

CIELCh(65, 65.993, 173.342)

Have a look what the booklet for
CIELCh(65, 65.993, 173.342)
contains.

CIELCh(67, 50.924, 167.685)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 50.924, 167.685)

Conversions

Conversions Part 1

Format	Color
Hex	00B98E
RGB	0, 185, 142
RGB Percent	0%, 73%, 56%
CMY	1.0000, 0.2747, 0.4433
CMYK	1.00, 0.00, 0.23, 0.27
HSL	166°, 100%, 36%
HSV	166°, 100%, 73%
XYZ	22.2181, 36.6320, 31.4760
YIQ	124.7830, -96.4570, -52.5930

Conversions

Conversions Part 2

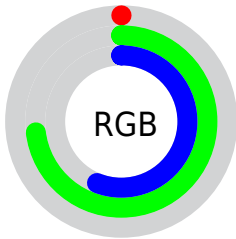
Format	Color
RYB	0, 105, 185
Decimal	47502
CIELab	67.00, -49.75, 10.86
CIELCh	67, 50.924, 167.685
Yxy	36.6320, 0.2460, 0.4056
Android (android.graphics.Color)	4278237582 (0xFF00B98E)
YUV	124.7830, 8.4880, -109.4347
Hunter-Lab	60.5244, -40.3913, 11.5330

Details

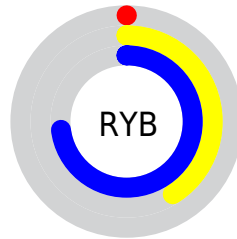
The CIELCh color **67, 50.924, 167.685** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **39, 71.519, 26.921**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 50.767, 167.832**, and **48, 42.511, 162.714** is the 20% darker color. If you saturate the color by 10%, you get **67, 50.919, 167.682**, and if you desaturate by 10%, it is **67, 48.717, 169.584**.

Distribution



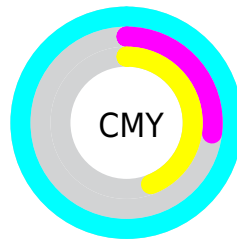
- Red (0%)
- Green (73%)
- Blue (56%)



- Red (0%)
- Yellow (41%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 50.924, 167.685 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, 50.924, 167.685 by changing the saturation by 10% instead.

 67, 50.924,
167.685

 67, 50.924,
167.685


 100, 50.924,
167.685

 57, 50.924,
167.685

 87, 50.924,
167.685

 47, 50.924,
167.685

 97, 50.924,
167.685

 37, 50.924,
167.685

 27, 50.924,
167.685

 17, 50.924,
167.685

 7, 50.924, 167.685

 0, 50.924, 167.685

■ 67, 50.924,
167.685

■ 67, 50.924,
167.685

■ 67, 50.919,
167.682

■ 67, 48.717,
169.584

■ 67, 45.923,
171.358

■ 68, 42.355,
172.954

■ 68, 38.002,
174.389

■ 69, 32.912,
175.688

■ 70, 27.171,
176.873

■ 71, 20.892,
177.966

■ 72, 14.194,

178.989

■ 74, 7.193, 179.972

Harmonies

Complementary

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



67, 50.924, 167.685



39, 71.519, 26.921

Rectangle

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



67, 50.924, 167.685



67, 50.924, 217.685



67, 50.924, 347.685



67, 50.924, 37.685

Sweetspot

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



67, 50.919, 167.682



90, 25.763, 177.915



66, 91.880, 134.224



47, 17.395, 177.466



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 50.919, 167.682



85, 62.148, 167.328



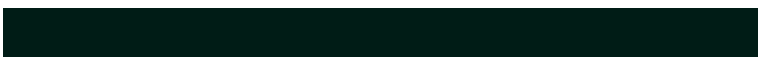
53, 36.670, 249.652



38, 4.053, 180.038



57, 44.628, 167.969



8, 11.877, 173.759

Inverse Universe

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



39, 71.519, 26.921



50, 87.551, 27.924



42, 75.585, 45.924



36, 4.190, 1.617



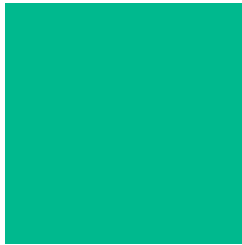
32, 62.543, 26.095



2, 10.993, 5.565

Previews

White Background



This preview shows how the CIELCh color 67, 50.924, 167.685 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 CIE LCh color 67, 50.924, 167.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

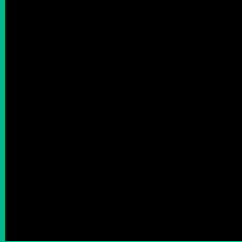
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 50.924, 167.685

Background



This preview shows how black text looks on a background with the CIELCh color 67, 50.924, 167.685.

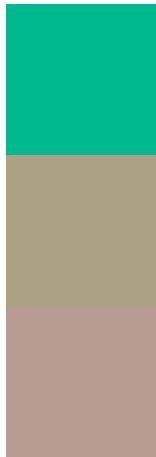


This preview shows how white text looks on a background with the CIELCh color 67, 50.924, 167.685.

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, 50.924, 167.685

Protanopia
67, 17.520, 94.811

Deuteranopia
67, 11.712, 42.261



Tritanopia
67, 32.693, 211.874

Trichromacy



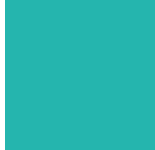
Original Color
67, 50.924, 167.685



Protanomaly
65, 29.985, 156.639



Deuteranomaly
65, 22.238, 165.779



Tritanomaly
67, 37.906, 190.486

Monochromacy



Original Color
67, 50.924, 167.685



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 25.429, 175.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 50.924, 167.685 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(0, 185, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 142)  
}
```

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(0, 185, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 50.924, 167.685 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(0, 185, 142) }
```

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

```
.border{ border-color:rgb(0, 185, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 50.924, 167.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 142) }
```

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

```
.background{ background-color: rgb(0, 185,  
142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor