

Converting Colors

CIELCh(67, 42.850, 182.700)

Have a look what the booklet for
CIELCh(67, 42.850, 182.700)
contains.

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Color

CIELCh(67, 42.824, 182.490)

Conversions

Conversions Part 1

Format	Color
Hex	00B7A5
RGB	0, 183, 165
RGB Percent	0%, 72%, 65%
CMY	0.9981, 0.2819, 0.3526
CMYK	1.00, 0.00, 0.10, 0.28
HSL	174°, 99%, 36%
HSV	174°, 100%, 72%
XYZ	23.7606, 36.6320, 41.4620
YIQ	126.2310, -103.2900, -44.3940

Conversions

Conversions Part 2

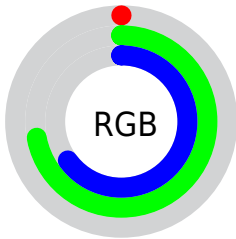
Format	Color
RYB	0, 96, 183
Decimal	47013
CIELab	67.00, -42.78, -1.86
CIELCh	67, 42.824, 182.490
Yxy	36.6320, 0.2333, 0.3596
Android (android.graphics.Color)	4278237093 (0xFF00B7A5)
YUV	126.2310, 19.1131, -110.7046
Hunter-Lab	60.5244, -35.8423, 1.7507

Details

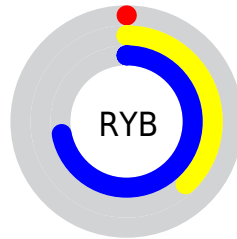
The CIELCh color **67, 42.824, 182.490** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **38, 77.218, 35.795**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 42.935, 182.399**, and **48, 33.993, 179.727** is the 20% darker color. If you saturate the color by 10%, you get **67, 42.853, 182.459**, and if you desaturate by 10%, it is **67, 41.651, 183.612**.

Distribution



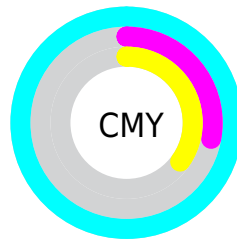
- Red (0%)
- Green (72%)
- Blue (65%)



- Red (0%)
- Yellow (38%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (28%)




- Cyan (100%)
- Magenta (28%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 42.824, 182.490 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, 42.824, 182.490 by changing the saturation by 10% instead.


 67, 42.824,
182.490


 67, 42.824,
182.490

 100, 42.824,
182.490

 57, 42.824,
182.490

 87, 42.824,
182.490

 47, 42.824,
182.490

 97, 42.824,
182.490

 37, 42.824,
182.490

 27, 42.824,
182.490

 17, 42.824,
182.490

 7, 42.824, 182.490

 0, 42.824, 182.490

■ 67, 42.824,
182.490

■ 67, 42.824,
182.490

■ 67, 42.853,
182.459

■ 67, 41.651,
183.612

■ 67, 39.855,
184.660

■ 68, 37.257,
185.627

■ 68, 33.836,
186.528

■ 69, 29.622,
187.382

■ 70, 24.687,
188.203

■ 71, 19.128,
189.004

■ 72, 13.056,

189.794

■ 73, 6.583, 190.599

Harmonies

Complementary

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



67, 42.824, 182.490



38, 77.218, 35.795

Rectangle

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



67, 42.824, 182.490



67, 42.824, 232.490



67, 42.824, 2.490



67, 42.824, 52.490

Sweetspot

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



67, 42.824, 182.489



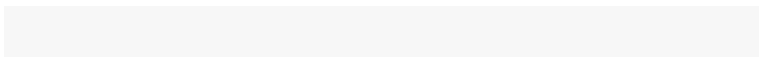
89, 23.758, 188.943



65, 92.734, 135.556



47, 16.113, 188.608



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, 42.824, 182.489



85, 52.114, 182.251



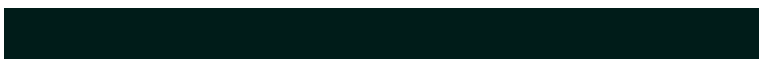
45, 45.815, 272.188



38, 3.843, 190.632



58, 37.938, 182.617



8, 10.908, 186.800

Inverse Universe

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



38, 77.218, 35.795



50, 94.726, 36.610



46, 69.611, 53.199



36, 4.031, 11.958



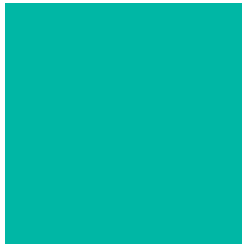
32, 68.121, 35.298



2, 10.711, 13.428

Previews

White Background



This preview shows how the CIELCh color 67, 42.824, 182.490 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, 42.824, 182.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

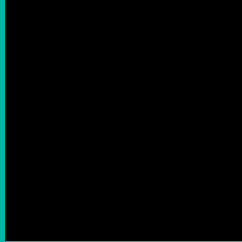
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 42.824, 182.490

Background



This preview shows how black text looks on a background with the CIELCh color 67, 42.824, 182.490.

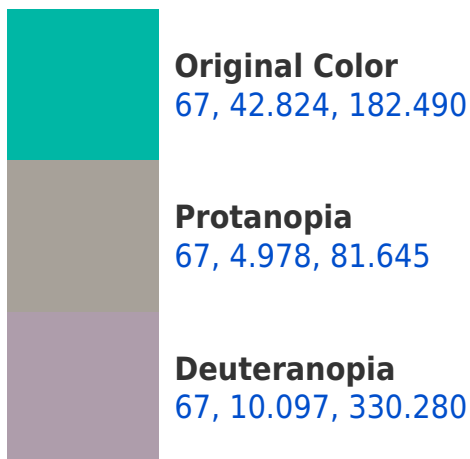


This preview shows how white text looks on a background with the CIELCh color 67, 42.824, 182.490.

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, 34.325, 211.034

Trichromacy



Original Color
67, 42.824, 182.490



Protanomaly
65, 23.069, 180.536



Deuteranomaly
65, 18.693, 203.024



Tritanomaly
67, 36.834, 199.155

Monochromacy



Original Color
67, 42.824, 182.490



Achromatopsia
53, 0.007, 296.813



Achromatomaly
57, 23.270, 187.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 42.824, 182.490 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, 183, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 165)  
}
```

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, 183, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 42.824, 182.490 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, 183, 165) }
```

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

```
.border{ border-color:rgb(0, 183, 165) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 42.824, 182.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 165) }
```

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

```
.background{ background-color: rgb(0, 183,  
165) }
```

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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