

Converting Colors

CIELCh(65, 47.842, 180.233)

Have a look what the booklet for
CIELCh(65, 47.842, 180.233)
contains.

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Color

CIELCh(65, 43.321, 179.451)

Conversions

Conversions Part 1

Format	Color
Hex	00B29C
RGB	0, 178, 156
RGB Percent	0%, 70%, 61%
CMY	1.0000, 0.3034, 0.3894
CMYK	1.00, 0.00, 0.12, 0.30
HSL	173°, 100%, 35%
HSV	173°, 100%, 70%
XYZ	21.7481, 34.0472, 36.7420
YIQ	122.2700, -99.0260, -44.5780

Conversions

Conversions Part 2

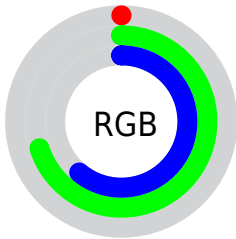
Format	Color
RYB	0, 95, 178
Decimal	45724
CIELab	65.00, -43.32, 0.42
CIELCh	65, 43.321, 179.451
Yxy	34.0472, 0.2350, 0.3679
Android (android.graphics.Color)	4278235804 (0xFF00B29C)
YUV	122.2700, 16.6289, -107.2308
Hunter-Lab	58.3500, -35.5822, 3.5110

Details

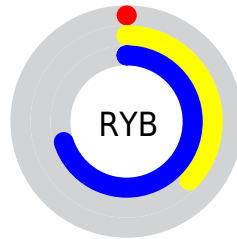
The CIELCh color **65, 43.321, 179.451** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **37, 74.397, 34.420**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 43.526, 178.850**, and **46, 34.157, 176.442** is the 20% darker color. If you saturate the color by 10%, you get **65, 43.105, 179.384**, and if you desaturate by 10%, it is **65, 41.783, 180.699**.

Distribution



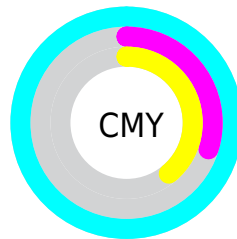
- Red (0%)
- Green (70%)
- Blue (61%)



- Red (0%)
- Yellow (37%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 43.321, 179.451 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 65, 43.321, 179.451 by changing the saturation by 10% instead.


 65, 43.321,
179.451


 65, 43.321,
179.451


 100, 43.321,
179.451


 55, 43.321,
179.451


 85, 43.321,
179.451

 45, 43.321,
179.451

 95, 43.321,
179.451

 35, 43.321,
179.451

 25, 43.321,
179.451

 15, 43.321,
179.451

 5, 43.321, 179.451

 0, 43.321, 179.451

■ 65, 43.321,
179.451

■ 65, 43.321,
179.451

■ 65, 43.105,
179.384

■ 65, 41.783,
180.699

■ 65, 39.875,
181.926

■ 66, 37.192,
183.046

■ 66, 33.715,
184.078

■ 67, 29.476,
185.040

■ 68, 24.548,
185.950

■ 69, 19.028,
186.823

■ 70, 13.024,

187.672

■ 71, 6.646, 188.523

Harmonies

Complementary

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



65, 43.321, 179.451



37, 74.397, 34.420

Rectangle

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



65, 43.321, 179.451



65, 43.321, 229.451



65, 43.321, 359.451



65, 43.321, 49.451

Sweetspot

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



65, 43.105, 179.384



87, 23.608, 186.778



63, 90.427, 135.294



46, 16.026, 186.417



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 43.105, 179.384



83, 52.778, 179.123



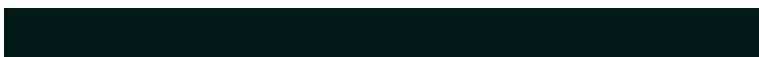
45, 41.965, 267.320



37, 3.783, 188.582



57, 38.547, 179.558



7, 9.497, 184.745

Inverse Universe

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



37, 74.397, 34.420



49, 91.739, 35.279



43, 69.429, 51.140



35, 3.956, 9.972



31, 66.205, 33.813



2, 9.260, 11.521

Previews

White Background



This preview shows how the CIELCh color 65, 43.321, 179.451 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 65, 43.321, 179.451 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 65, 43.321, 179.451

Background



This preview shows how black text looks on a background with the CIELCh color 65, 43.321, 179.451.

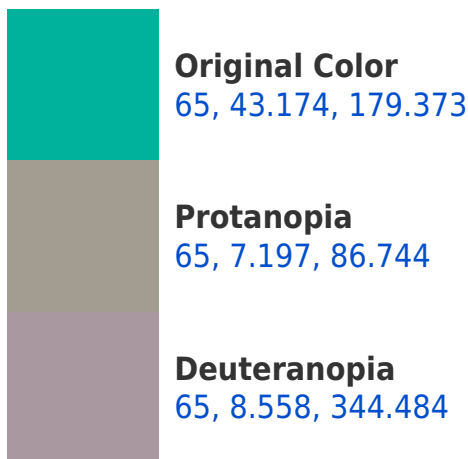


This preview shows how white text looks on a background with the CIELCh color 65, 43.321, 179.451.

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
65, 33.155, 210.648

Trichromacy



Original Color
65, 43.174, 179.373



Protanomaly
63, 23.309, 174.717



Deuteranomaly
63, 18.468, 194.295



Tritanomaly
65, 36.159, 197.410

Monochromacy



Original Color
65, 43.174, 179.373



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 22.689, 185.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 43.321, 179.451 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, 178, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 156)  
}
```

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, 178, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 43.321, 179.451 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, 178, 156) }
```

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

```
.border{ border-color:rgb(0, 178, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 43.321, 179.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 156) }
```

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

```
.background{ background-color: rgb(0, 178,  
156) }
```

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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