

Converting Colors

CIELCh(65, 44.421, 179.341)

Have a look what the booklet for
CIELCh(65, 44.421, 179.341)
contains.

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Color

CIELCh(65, 43.462, 178.697)

Conversions

Conversions Part 1

Format	Color
Hex	00B29B
RGB	0, 178, 155
RGB Percent	0%, 70%, 61%
CMY	1.0000, 0.3033, 0.3935
CMYK	1.00, 0.00, 0.13, 0.30
HSL	172°, 100%, 35%
HSV	172°, 100%, 70%
XYZ	21.7200, 34.0472, 36.2901
YIQ	122.1560, -98.7050, -44.8890

Conversions

Conversions Part 2

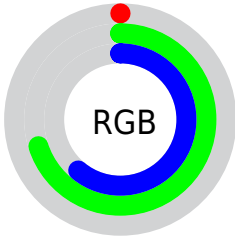
Format	Color
RYB	0, 95, 178
Decimal	45723
CIELab	65.00, -43.45, 0.99
CIELCh	65, 43.462, 178.697
Yxy	34.0472, 0.2359, 0.3698
Android (android.graphics.Color)	4278235803 (0xFF00B29B)
YUV	122.1560, 16.1921, -107.1308
Hunter-Lab	58.3500, -35.6681, 3.9702

Details

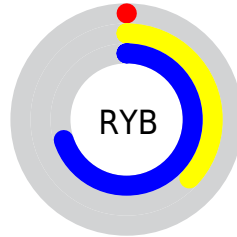
The CIELCh color **65, 43.462, 178.697** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **37, 74.122, 34.075**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 43.783, 178.216**, and **46, 34.486, 175.556** is the 20% darker color. If you saturate the color by 10%, you get **65, 43.407, 178.678**, and if you desaturate by 10%, it is **65, 42.045, 180.036**.

Distribution



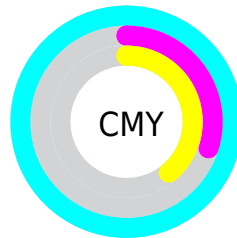
- Red (0%)
- Green (70%)
- Blue (61%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (30%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 43.462, 178.697 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, 43.462, 178.697 by changing the saturation by 10% instead.


 65, 43.462,
178.697


 65, 43.462,
178.697


 100, 43.462,
178.697


 55, 43.462,
178.697


 85, 43.462,
178.697

 45, 43.462,
178.697

 95, 43.462,
178.697

 35, 43.462,
178.697

 25, 43.462,
178.697

 15, 43.462,
178.697

 5, 43.462, 178.697

 0, 43.462, 178.697

■ 65, 43.462,
178.697

■ 65, 43.462,
178.697

■ 65, 43.407,
178.678

■ 65, 42.045,
180.036

■ 65, 40.096,
181.303

■ 66, 37.375,
182.456

■ 66, 33.861,
183.516

■ 67, 29.588,
184.502

■ 68, 24.629,
185.432

■ 69, 19.082,
186.321

■ 70, 13.056,

187.183

■ 71, 6.660, 188.044

Harmonies

Complementary

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



65, 43.462, 178.697



37, 74.122, 34.075

Rectangle

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



65, 43.462, 178.697



65, 43.462, 228.697



65, 43.462, 358.697



65, 43.462, 48.697

Sweetspot

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



65, 43.407, 178.678



87, 23.674, 186.275



63, 90.433, 135.294



46, 16.074, 185.908



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, 43.407, 178.678



83, 53.152, 178.409



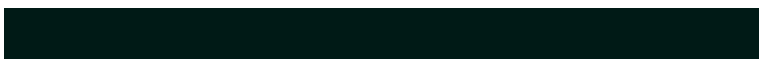
46, 41.968, 267.320



37, 3.791, 188.104



57, 38.811, 178.859



7, 9.526, 184.123

Inverse Universe

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



37, 74.122, 34.075



49, 91.399, 34.951



43, 69.434, 51.139



35, 3.961, 9.509



31, 65.955, 33.457



2, 9.270, 11.153

Previews

White Background



This preview shows how the CIE LCh color 65, 43.462, 178.697 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 65, 43.462, 178.697 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, 43.462, 178.697

Background



This preview shows how black text looks on a background with the CIELCh color 65, 43.462, 178.697.

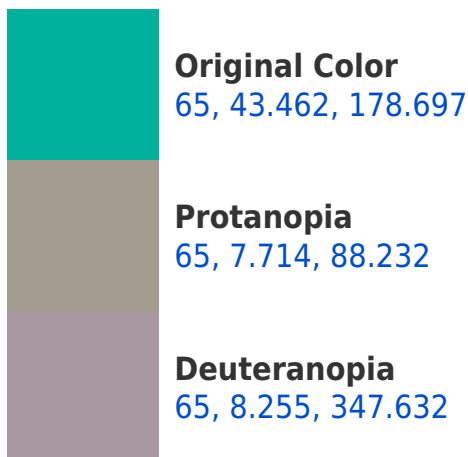


This preview shows how white text looks on a background with the CIELCh color 65, 43.462, 178.697.

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



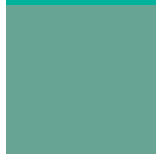


Tritanopia
65, 33.039, 210.705

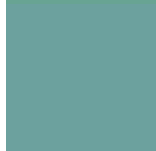
Trichromacy



Original Color
65, 43.462, 178.697



Protanomaly
63, 23.591, 173.506



Deuteranomaly
63, 18.583, 192.558

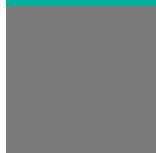


Tritanomaly
65, 36.218, 196.506

Monochromacy



Original Color
65, 43.462, 178.697



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, 43.462, 178.697 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 43.462, 178.697 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, 155) }
```

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

```
.border{ border-color:rgb(0, 178, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 43.462, 178.697 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, 155) }
```

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

```
.background{ background-color: rgb(0, 178,  
155) }
```

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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