

Converting Colors

CIELCh(62, 46.063, 202.790)

Have a look what the booklet for
CIELCh(62, 46.063, 202.790)
contains.

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Color

CIELCh(63, 35.873, 205.664)

Conversions

Conversions Part 1

Format	Color
Hex	00A9B3
RGB	0, 169, 179
RGB Percent	0%, 66%, 70%
CMY	1.0000, 0.3374, 0.2982
CMYK	1.00, 0.06, 0.00, 0.30
HSL	183°, 100%, 35%
HSV	183°, 100%, 70%
XYZ	22.2564, 31.5869, 47.5552
YIQ	119.6090, -103.9340, -32.7180

Conversions

Conversions Part 2

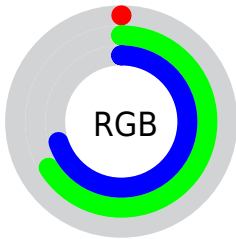
Format	Color
RYB	0, 87, 179
Decimal	43443
CIELab	63.00, -32.33, -15.54
CIELCh	63, 35.873, 205.664
Yxy	31.5869, 0.2195, 0.3115
Android (android.graphics.Color)	4278233523 (0xFF00A9B3)
YUV	119.6090, 29.2798, -104.8971
Hunter-Lab	56.2022, -27.6669, -10.8263

Details

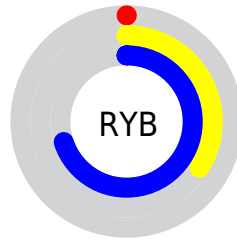
The CIELCh color **63, 35.873, 205.664** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 79.375, 40.602**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.813, 205.680**, and **44, 27.012, 209.646** is the 20% darker color. If you saturate the color by 10%, you get **63, 35.709, 205.717**, and if you desaturate by 10%, it is **63, 35.257, 204.923**.

Distribution



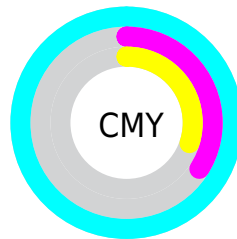
- Red (0%)
- Green (66%)
- Blue (70%)



- Red (0%)
- Yellow (34%)
- Blue (70%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (34%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 35.873, 205.664 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 63, 35.873, 205.664 by changing the saturation by 10% instead.


 63, 35.873,
205.664


 63, 35.873,
205.664


 100, 35.873,
205.664


 53, 35.873,
205.664


 83, 35.873,
205.664

 43, 35.873,
205.664

 93, 35.873,
205.664

 33, 35.873,
205.664

 23, 35.873,
205.664

 13, 35.873,
205.664

 3, 35.873, 205.664

 0, 35.873, 205.664

■ 63, 35.873,
205.664

■ 63, 35.873,
205.664

■ 63, 35.709,
205.717

■ 63, 35.257,
204.923

■ 64, 34.213,
204.287

■ 65, 32.387,
203.833

■ 65, 29.749,
203.549

■ 66, 26.319,
203.417

■ 67, 22.156,
203.417

■ 69, 17.344,
203.532

■ 70, 11.981,

203.749

■ 71, 6.167, 204.070

Harmonies

Complementary

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



63, 35.873, 205.664



37, 79.375, 40.602

Rectangle

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



63, 35.873, 205.664



63, 35.873, 255.664



63, 35.873, 25.664



63, 35.873, 75.664

Sweetspot

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



63, 35.709, 205.717



87, 21.379, 203.524



64, 90.896, 136.436



46, 14.455, 203.465



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



63, 35.709, 205.717



80, 43.323, 205.888



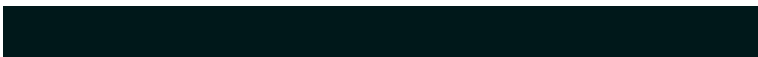
36, 60.926, 288.491



37, 3.491, 204.097



54, 31.835, 205.594



7, 8.423, 206.795

Inverse Universe

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



42, 84.811, 330.581



54, 102.931, 330.623



50, 64.184, 64.956



35, 6.499, 326.469



36, 75.591, 330.551



3, 15.347, 326.800

Previews

White Background



This preview shows how the CIELCh color 63, 35.873, 205.664 looks on a white background.

Color Contrast Check

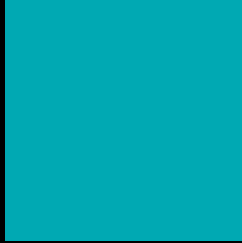
Large Text (above 18pt) WCAG AA × Fail

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 63, 35.873, 205.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

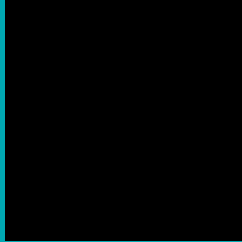
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 35.873, 205.664

Background



This preview shows how black text looks on a background with the CIELCh color 63, 35.873, 205.664.

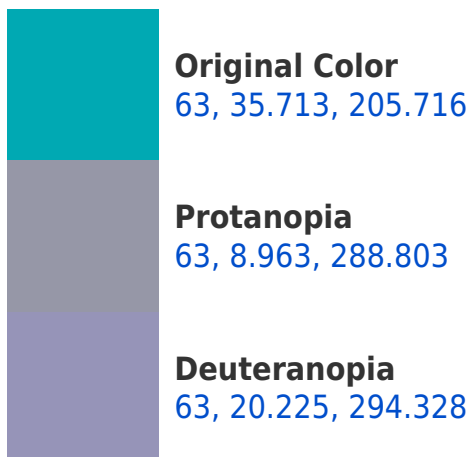


This preview shows how white text looks on a background with the CIELCh color 63, 35.873, 205.664.

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
63, 34.729, 209.929

Trichromacy



Original Color
63, 35.713, 205.716



Protanomaly
62, 21.267, 218.062



Deuteranomaly
61, 23.320, 237.307



Tritanomaly
63, 35.013, 208.832

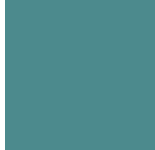
Monochromacy



Original Color
63, 35.713, 205.716



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 20.685, 202.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 35.873, 205.664 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, 169, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 179)  
}
```

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, 169, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 35.873, 205.664 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, 169, 179) }
```

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

```
.border{ border-color:rgb(0, 169, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 35.873, 205.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 179) }
```

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

```
.background{ background-color: rgb(0, 169,  
179) }
```

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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