

Converting Colors

CIELCh(61, 42.142, 206.153)

Have a look what the booklet for
CIELCh(61, 42.142, 206.153)
contains.

CIELCh(62, 35.073, 208.814)	3
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Color

CIELCh(62, 35.073, 208.814)

Conversions

Conversions Part 1

Format	Color
Hex	00A6B3
RGB	0, 166, 179
RGB Percent	0%, 65%, 70%
CMY	1.0000, 0.3501, 0.2992
CMYK	1.00, 0.07, 0.00, 0.30
HSL	184°, 100%, 35%
HSV	184°, 100%, 70%
XYZ	21.6751, 30.4025, 47.2209
YIQ	117.8480, -103.1090, -31.1490

Conversions

Conversions Part 2

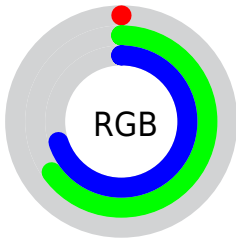
Format	Color
RYB	0, 86, 179
Decimal	42675
CIELab	62.00, -30.73, -16.90
CIELCh	62, 35.073, 208.814
Yxy	30.4025, 0.2183, 0.3062
Android (android.graphics.Color)	4278232755 (0xFF00A6B3)
YUV	117.8480, 30.1479, -103.3527
Hunter-Lab	55.1385, -26.3235, -12.1793

Details

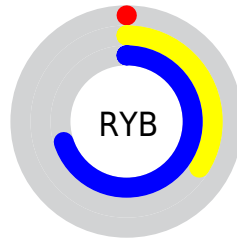
The CIELCh color **62, 35.073, 208.814** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **38, 79.040, 40.807**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 35.129, 208.591**, and **43, 26.475, 214.170** is the 20% darker color. If you saturate the color by 10%, you get **62, 35.028, 208.832**, and if you desaturate by 10%, it is **63, 34.608, 207.739**.

Distribution



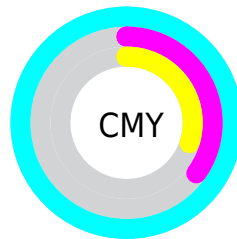
- Red (0%)
- Green (65%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (35%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 35.073, 208.814 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 62, 35.073, 208.814 by changing the saturation by 10% instead.


 62, 35.073,
208.814


 62, 35.073,
208.814


 100, 35.073,
208.814


 52, 35.073,
208.814


 82, 35.073,
208.814

 42, 35.073,
208.814

 92, 35.073,
208.814

 32, 35.073,
208.814

 22, 35.073,
208.814

 12, 35.073,
208.814

 2, 35.073, 208.814

 0, 35.073, 208.814

■ 62, 35.073,
208.814

■ 62, 35.073,
208.814

■ 62, 35.028,
208.832

■ 63, 34.608,
207.739

■ 63, 33.603,
206.845

■ 64, 31.823,
206.180

■ 65, 29.238,
205.724

■ 66, 25.871,
205.449

■ 67, 21.781,
205.331

■ 68, 17.051,
205.348

■ 70, 11.779,

205.480

■ 71, 6.064, 205.729

Harmonies

Complementary

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



62, 35.073, 208.814



38, 79.040, 40.807

Rectangle

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



62, 35.073, 208.814



62, 35.073, 258.814



62, 35.073, 28.814



62, 35.073, 78.814

Sweetspot

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



62, 35.028, 208.832



86, 21.042, 205.344



63, 90.482, 136.580



45, 14.227, 205.325



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



62, 35.028, 208.832



79, 42.535, 209.066



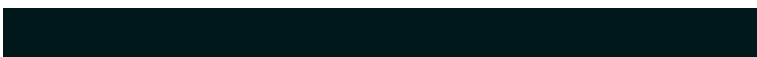
35, 62.804, 289.835



37, 3.437, 205.752



54, 31.264, 208.666



6, 8.246, 209.273

Inverse Universe

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



42, 83.609, 331.348



54, 101.558, 331.405



51, 63.829, 66.444



35, 6.424, 326.959



35, 74.611, 331.307



3, 15.085, 327.542

Previews

White Background



This preview shows how the CIELCh color 62, 35.073, 208.814 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 62, 35.073, 208.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

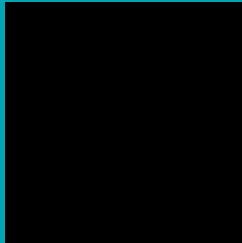
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 35.073, 208.814

Background



This preview shows how black text looks on a background with the CIELCh color 62, 35.073, 208.814.

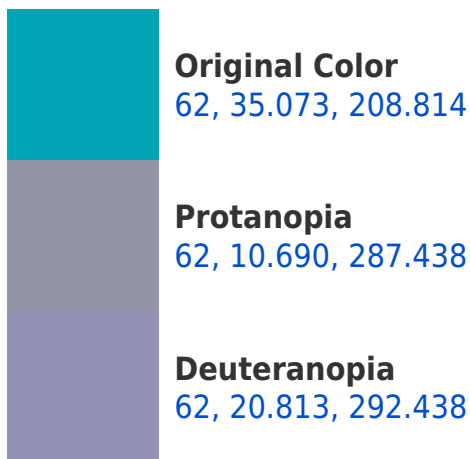



This preview shows how white text looks on a background with the CIELCh color 62, 35.073, 208.814.

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
62, 34.829, 208.918

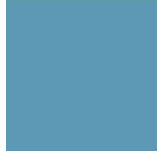
Trichromacy



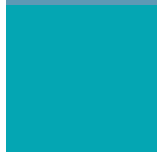
Original Color
62, 35.073, 208.814



Protanomaly
60, 21.322, 224.876



Deuteranomaly
60, 23.710, 240.353



Tritanomaly
62, 34.933, 208.873

Monochromacy



Original Color
62, 35.073, 208.814



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 20.083, 205.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 35.073, 208.814 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, 166, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 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, 166, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 35.073, 208.814 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, 166, 179) }
```

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

```
.border{ border-color:rgb(0, 166, 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, 166, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 35.073, 208.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 179) }
```

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

```
.background{ background-color: rgb(0, 166,  
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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