

Converting Colors

CIELCh(61, 48.840, 205.068)

Have a look what the booklet for
CIELCh(61, 48.840, 205.068)
contains.

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Color

CIELCh(63, 35.353, 209.647)

Conversions

Conversions Part 1

Format	Color
Hex	02A8B6
RGB	2, 168, 182
RGB Percent	1%, 66%, 71%
CMY	0.9914, 0.3394, 0.2844
CMYK	0.99, 0.08, 0.00, 0.28
HSL	185°, 98%, 36%
HSV	185°, 99%, 72%
XYZ	22.6069, 31.5869, 49.4134
YIQ	119.9620, -103.4300, -30.8380

Conversions

Conversions Part 2

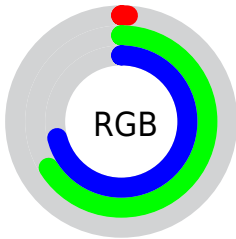
Format	Color
R_{YB}	2, 88, 182
Decimal	174262
CIE _{Lab}	63.00, -30.72, -17.49
CIE _{LCh}	63, 35.353, 209.647
Yxy	31.5869, 0.2182, 0.3049
Android (android.graphics.Color)	4278364342 (0xFF02A8B6)
YUV	119.9620, 30.5847, -103.4527
Hunter-Lab	56.2022, -26.5538, -12.7866

Details

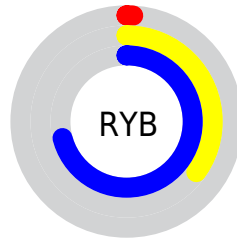
The CIELCh color **63, 35.353, 209.647** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **39, 79.470, 40.532**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.350, 209.397**, and **44, 26.821, 215.267** is the 20% darker color. If you saturate the color by 10%, you get **63, 35.394, 209.792**, and if you desaturate by 10%, it is **64, 34.905, 208.468**.

Distribution



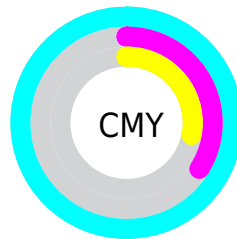
- Red (1%)
- Green (66%)
- Blue (71%)



- Red (1%)
- Yellow (35%)
- Blue (71%)



- Cyan (99%)
- Magenta (8%)
- Yellow (0%)
- Black (28%)





- Cyan (99%)
- Magenta (34%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 35.353, 209.647 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, 35.353, 209.647 by changing the saturation by 10% instead.


 63, 35.353,
209.647


 63, 35.353,
209.647


 100, 35.353,
209.647


 53, 35.353,
209.647


 83, 35.353,
209.647

 43, 35.353,
209.647

 93, 35.353,
209.647

 33, 35.353,
209.647

 23, 35.353,
209.647

 13, 35.353,
209.647

 3, 35.353, 209.647

 0, 35.353, 209.647

■ 63, 35.353,
209.647

■ 63, 35.353,
209.647

■ 63, 35.394,
209.792

■ 64, 34.905,
208.468

■ 64, 33.810,
207.522

■ 65, 31.921,
206.818

■ 66, 29.216,
206.331

■ 67, 25.721,
206.032

■ 68, 21.501,
205.896

■ 70, 16.644,
205.898

■ 71, 11.249,

206.018

■ 73, 5.415, 206.263

Harmonies

Complementary

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



63, 35.353, 209.647



39, 79.470, 40.532

Rectangle

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



63, 35.353, 209.647



63, 35.353, 259.647



63, 35.353, 29.647



63, 35.353, 79.647

Sweetspot

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



63, 35.352, 209.646



88, 21.317, 205.889



65, 91.611, 136.624



46, 14.410, 205.882



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



63, 35.352, 209.646



80, 43.023, 210.042



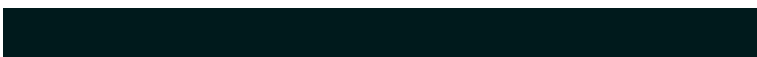
36, 63.049, 289.442



38, 3.502, 206.245



54, 31.489, 209.611



7, 9.371, 209.060

Inverse Universe

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



43, 84.392, 331.539



55, 102.825, 331.644



52, 64.339, 66.673



36, 6.553, 327.107



36, 75.227, 331.539



3, 17.391, 327.892

Previews

White Background



This preview shows how the CIELCh color 63, 35.353, 209.647 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, 35.353, 209.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

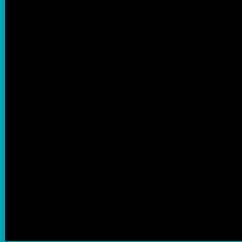
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 35.353, 209.647

Background



This preview shows how black text looks on a background with the CIELCh color 63, 35.353, 209.647.



This preview shows how white text looks on a background with the CIELCh color 63, 35.353, 209.647.

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



Original Color

63, 35.286, 209.677

Protanopia

63, 11.771, 289.691

Deuteranopia

63, 21.880, 292.526



Tritanopia
63, 35.353, 209.647

Trichromacy



Original Color
63, 35.286, 209.677



Protanomaly
61, 21.496, 226.271



Deuteranomaly
61, 24.319, 242.611



Tritanomaly
63, 35.319, 209.662

Monochromacy



Original Color
63, 35.286, 209.677



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 20.354, 205.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 35.353, 209.647 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(2, 168, 182)` looks like.

```
.text, #text, p{  
    color:rgb(2, 168, 182)  
}
```

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(2, 168, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 168, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 35.353, 209.647 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(2, 168, 182) }
```

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

```
.border{ border-color:rgb(2, 168, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 168, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 168, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 168, 182);  
box-shadow:4px 4px 4px 4px rgb(2, 168,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 35.353, 209.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 168, 182) }
```

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

```
.background{ background-color: rgb(2, 168,  
182) }
```

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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