

Converting Colors

CIELCh(59, 60.056, 204.478)

Have a look what the booklet for
CIELCh(59, 60.056, 204.478)
contains.

CIELCh(63, 35.143, 212.669)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 35.143, 212.669)

Conversions

Conversions Part 1

Format	Color
Hex	05A8B9
RGB	5, 168, 185
RGB Percent	2%, 66%, 73%
CMY	0.9793, 0.3407, 0.2740
CMYK	0.97, 0.09, 0.00, 0.27
HSL	186°, 94%, 37%
HSV	186°, 97%, 73%
XYZ	22.8577, 31.5869, 50.8567
YIQ	121.2010, -102.6050, -29.2690

Conversions

Conversions Part 2

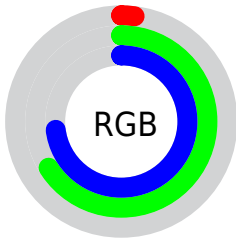
Format	Color
R _Y B	5, 91, 185
Decimal	370873
CIE Lab	63.00, -29.58, -18.97
CIE LCh	63, 35.143, 212.669
Yxy	31.5869, 0.2171, 0.3000
Android (android.graphics.Color)	4278560953 (0xFF05A8B9)
YUV	121.2010, 31.4529, -101.9083
Hunter-Lab	56.2022, -25.7573, -14.3092

Details

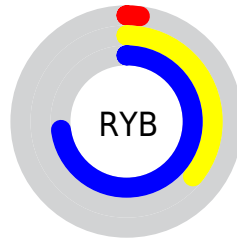
The CIELCh color **63, 35.143, 212.669** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **39, 79.015, 40.448**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.200, 212.187**, and **44, 26.950, 219.387** is the 20% darker color. If you saturate the color by 10%, you get **63, 35.238, 213.110**, and if you desaturate by 10%, it is **64, 34.637, 211.196**.

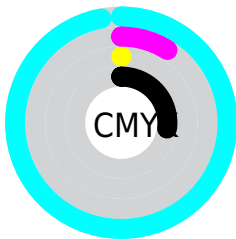
Distribution



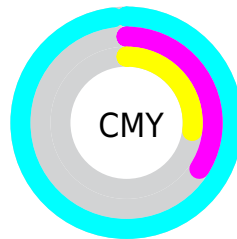
- Red (2%)
- Green (66%)
- Blue (73%)



- Red (2%)
- Yellow (36%)
- Blue (73%)



- Cyan (97%)
- Magenta (9%)
- Yellow (0%)
- Black (27%)





- Cyan (98%)
- Magenta (34%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 35.143, 212.669 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, 35.143, 212.669 by changing the saturation by 10% instead.


 63, 35.143,
212.669


 63, 35.143,
212.669


 100, 35.143,
212.669


 53, 35.143,
212.669


 83, 35.143,
212.669

 43, 35.143,
212.669

 93, 35.143,
212.669

 33, 35.143,
212.669

 23, 35.143,
212.669

 13, 35.143,
212.669

 3, 35.143, 212.669

 0, 35.143, 212.669

■ 63, 35.143,
212.669

■ 63, 35.143,
212.669

■ 63, 35.238,
213.110

■ 64, 34.637,
211.196

■ 64, 33.430,
210.024

■ 65, 31.422,
209.139

■ 66, 28.598,
208.507

■ 68, 24.993,
208.092

■ 69, 20.677,
207.860

■ 70, 15.742,
207.781

■ 72, 10.286,

207.834

■ 74, 4.410, 208.035

Harmonies

Complementary

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



63, 35.143, 212.669



39, 79.015, 40.448

Rectangle

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



63, 35.143, 212.669



63, 35.143, 262.669



63, 35.143, 32.669



63, 35.143, 82.669

Sweetspot

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



63, 35.142, 212.668



89, 20.558, 207.787



66, 91.732, 136.906



46, 13.859, 207.817



97, 0.011, 296.813



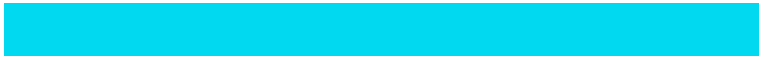
50, 0.007, 296.813

Same Dimension

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



63, 35.142, 212.668



80, 42.719, 213.417



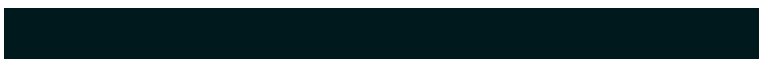
37, 64.613, 290.144



38, 3.450, 207.972



53, 31.017, 212.862



7, 9.183, 211.752

Inverse Universe

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



43, 83.961, 332.268



56, 102.268, 332.471



54, 64.215, 68.559



36, 6.476, 327.615



36, 74.249, 332.335



3, 17.091, 328.668

Previews

White Background



This preview shows how the CIE LCh color 63, 35.143, 212.669 looks on a white background.

Color Contrast Check

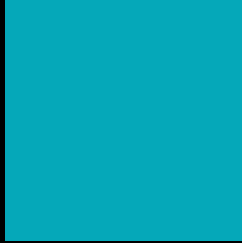
Large Text (above 18pt) WCAG AA × Fail

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, 35.143, 212.669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

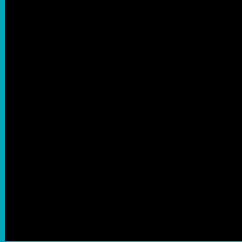
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 35.143, 212.669

Background



This preview shows how black text looks on a background with the CIELCh color 63, 35.143, 212.669.



This preview shows how white text looks on a background with the CIELCh color 63, 35.143, 212.669.

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, 35.353, 209.647

Trichromacy



Original Color
63, 35.134, 212.665



Protanomaly
61, 21.880, 229.176



Deuteranomaly
61, 25.307, 245.946



Tritanomaly
63, 35.259, 210.655

Monochromacy



Original Color
63, 35.134, 212.665



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 19.826, 207.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 35.143, 212.669 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(5, 168, 185)` looks like.

```
.text, #text, p{  
    color:rgb(5, 168, 185)  
}
```

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(5, 168, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 168, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 35.143, 212.669 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(5, 168, 185) }
```

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

```
.border{ border-color:rgb(5, 168, 185) }
```

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

Here you see how a box with a 4 pixel rgb(5, 168, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 168, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 168, 185);  
box-shadow:4px 4px 4px 4px rgb(5, 168,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 35.143, 212.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 168, 185) }
```

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

```
.background{ background-color: rgb(5, 168,  
185) }
```

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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