

Converting Colors

CIELCh(59, 86.541, 186.121)

Have a look what the booklet for
CIELCh(59, 86.541, 186.121)
contains.

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Color

CIELCh(64, 41.470, 181.890)

Conversions

Conversions Part 1

Format	Color
Hex	01AE9C
RGB	1, 174, 156
RGB Percent	0%, 68%, 61%
CMY	0.9950, 0.3165, 0.3871
CMYK	0.99, 0.00, 0.10, 0.32
HSL	174°, 99%, 34%
HSV	174°, 99%, 68%
XYZ	21.2319, 32.8017, 36.7885
YIQ	120.2210, -97.3300, -42.2740

Conversions

Conversions Part 2

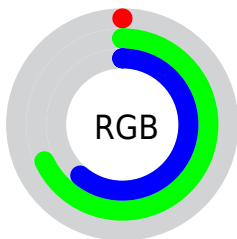
Format	Color
RYB	1, 92, 174
Decimal	110236
CIELab	64.00, -41.45, -1.37
CIELCh	64, 41.470, 181.890
Yxy	32.8017, 0.2338, 0.3612
Android (android.graphics.Color)	4278300316 (0xFF01AE9C)
YUV	120.2210, 17.6390, -104.5568
Hunter-Lab	57.2727, -34.0544, 2.0067

Details

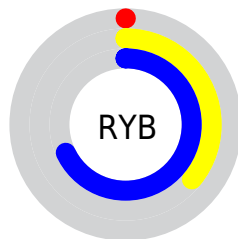
The CIELCh color **64, 41.470, 181.890** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 73.792, 35.172**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 41.322, 181.731**, and **45, 32.737, 178.862** is the 20% darker color. If you saturate the color by 10%, you get **64, 41.553, 181.805**, and if you desaturate by 10%, it is **64, 40.263, 183.047**.

Distribution



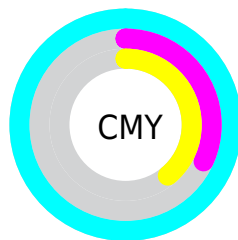
- Red (0%)
- Green (68%)
- Blue (61%)



- Red (0%)
- Yellow (36%)
- Blue (68%)



- Cyan (99%)
- Magenta (0%)
- Yellow (10%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 41.470, 181.890 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 64, 41.470, 181.890 by changing the saturation by 10% instead.


 64, 41.470,
181.890


 64, 41.470,
181.890


 100, 41.470,
181.890


 54, 41.470,
181.890


 84, 41.470,
181.890

 44, 41.470,
181.890

 94, 41.470,
181.890

 34, 41.470,
181.890

 24, 41.470,
181.890

 14, 41.470,
181.890

 4, 41.470, 181.890

 0, 41.470, 181.890

■ 64, 41.470,
181.890

■ 64, 41.470,
181.890

■ 64, 41.553,
181.805

■ 64, 40.263,
183.047

■ 64, 38.447,
184.127

■ 65, 35.860,
185.120

■ 65, 32.488,
186.044

■ 66, 28.363,
186.917

■ 67, 23.556,
187.754

■ 68, 18.162,
188.568

■ 69, 12.286,

189.369

■ 70, 6.036, 190.185

Harmonies

Complementary

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



64, 41.470, 181.890



36, 73.792, 35.172

Rectangle

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



64, 41.470, 181.890



64, 41.470, 231.890



64, 41.470, 1.890



64, 41.470, 51.890

Sweetspot

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



64, 41.470, 181.889



86, 22.985, 188.466



62, 89.106, 135.429



45, 15.596, 188.131



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 41.470, 181.889



81, 50.719, 181.574



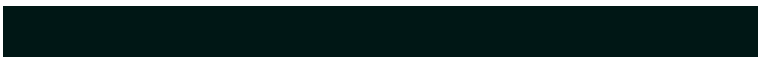
44, 42.446, 269.402



36, 3.672, 190.182



56, 37.237, 181.959



6, 8.002, 187.297

Inverse Universe

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



36, 73.792, 35.172



47, 91.224, 36.235



43, 67.342, 52.304



34, 3.847, 11.511



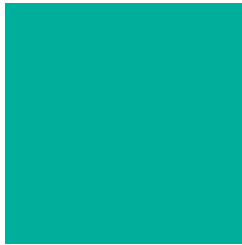
31, 66.150, 34.861



2, 7.874, 12.376

Previews

White Background



This preview shows how the CIELCh color 64, 41.470, 181.890 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 CIE LCh color 64, 41.470, 181.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

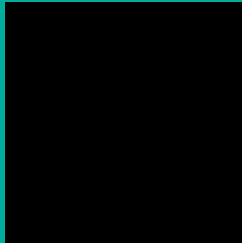
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

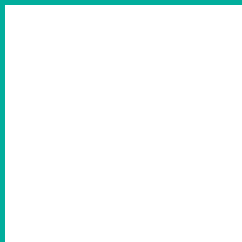
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 41.470, 181.890

Background



This preview shows how black text looks on a background with the CIELCh color 64, 41.470, 181.890.

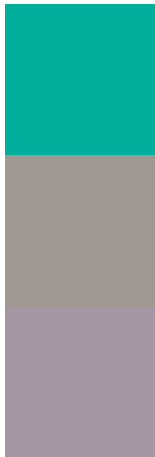


This preview shows how white text looks on a background with the CIELCh color 64, 41.470, 181.890.

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
64, 41.433, 181.880

Protanopia
64, 5.026, 81.598

Deuteranopia
64, 9.771, 332.411



Tritanopia
64, 32.843, 210.823

Trichromacy



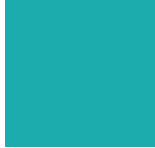
Original Color
64, 41.433, 181.880



Protanomaly
62, 22.027, 179.574



Deuteranomaly
62, 17.890, 201.488



Tritanomaly
64, 35.588, 198.353

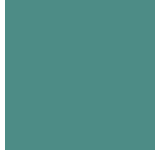
Monochromacy



Original Color
64, 41.433, 181.880



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 22.037, 188.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 41.470, 181.890 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(1, 174, 156)` looks like.

```
.text, #text, p{  
    color:rgb(1, 174, 156)  
}
```

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(1, 174, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 174, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 41.470, 181.890 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(1, 174, 156) }
```

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

```
.border{ border-color:rgb(1, 174, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 174, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 174, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 174, 156);  
box-shadow:4px 4px 4px 4px rgb(1, 174,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 41.470, 181.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 174, 156) }
```

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

```
.background{ background-color: rgb(1, 174,  
156) }
```

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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