

Converting Colors

CIELCh(62, 40.840, 180.720)

Have a look what the booklet for
CIELCh(62, 40.840, 180.720)
contains.

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Color

CIELCh(62, 40.912, 180.774)

Conversions

Conversions Part 1

Format	Color
Hex	00A996
RGB	0, 169, 150
RGB Percent	0%, 66%, 59%
CMY	0.9991, 0.3390, 0.4134
CMYK	1.00, 0.00, 0.11, 0.34
HSL	173°, 100%, 33%
HSV	173°, 100%, 66%
XYZ	19.5800, 30.4025, 33.5130
YIQ	116.3030, -94.6250, -41.7370

Conversions

Conversions Part 2

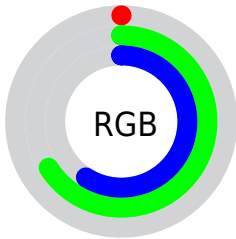
Format	Color
RYB	0, 90, 169
Decimal	43414
CIELab	62.00, -40.91, -0.55
CIELCh	62, 40.912, 180.774
Yxy	30.4025, 0.2345, 0.3641
Android (android.graphics.Color)	4278233494 (0xFF00A996)
YUV	116.3030, 16.6126, -101.9977
Hunter-Lab	55.1385, -33.1060, 2.5607

Details

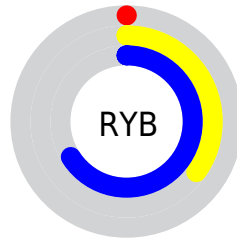
The CIELCh color **62, 40.912, 180.774** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **35, 71.827, 34.790**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 40.932, 180.731**, and **43, 32.270, 177.302** is the 20% darker color. If you saturate the color by 10%, you get **62, 40.927, 180.757**, and if you desaturate by 10%, it is **62, 39.678, 181.994**.

Distribution



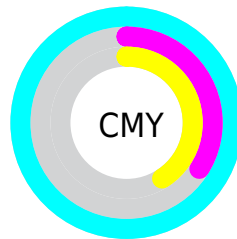
- Red (0%)
- Green (66%)
- Blue (59%)



- Red (0%)
- Yellow (35%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 40.912, 180.774 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, 40.912, 180.774 by changing the saturation by 10% instead.


 62, 40.912,
180.774


 62, 40.912,
180.774


 100, 40.912,
180.774

 52, 40.912,
180.774


 82, 40.912,
180.774

 42, 40.912,
180.774

 92, 40.912,
180.774

 32, 40.912,
180.774

 22, 40.912,
180.774

 12, 40.912,
180.774

 2, 40.912, 180.774

 0, 40.912, 180.774

■ 62, 40.912,
180.774

■ 62, 40.912,
180.774

■ 62, 40.927,
180.757

■ 62, 39.678,
181.994

■ 62, 37.885,
183.137

■ 63, 35.349,
184.185

■ 63, 32.051,
185.155

■ 64, 28.024,
186.066

■ 65, 23.336,
186.934

■ 66, 18.078,
187.772

■ 67, 12.353,

188.593

■ 68, 6.267, 189.421

Harmonies

Complementary

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



62, 40.912, 180.774



35, 71.827, 34.790

Rectangle

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



62, 40.912, 180.774



62, 40.912, 230.774



62, 40.912, 0.774



62, 40.912, 50.774

Sweetspot

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



62, 40.912, 180.773



83, 22.444, 187.717



60, 87.071, 135.401



43, 15.095, 187.381



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



62, 40.912, 180.773



79, 49.914, 180.506



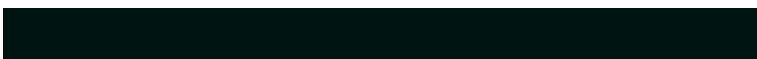
42, 41.537, 269.542



35, 3.592, 189.472



55, 37.127, 180.906



5, 6.751, 186.917

Inverse Universe

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



35, 71.827, 34.790



46, 88.344, 35.700



41, 66.009, 52.335



33, 3.759, 10.818



30, 64.922, 34.297



1, 6.650, 11.386

Previews

White Background



This preview shows how the CIELCh color 62, 40.912, 180.774 looks on a white background.

Color Contrast Check

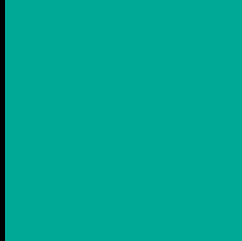
Large Text (above 18pt) WCAG AA × Fail

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, 40.912, 180.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

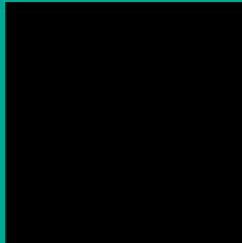
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 40.912, 180.774

Background



This preview shows how black text looks on a background with the CIELCh color 62, 40.912, 180.774.



This preview shows how white text looks on a background with the CIELCh color 62, 40.912, 180.774.

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, 31.876, 211.369

Trichromacy



Original Color
62, 40.991, 180.796



Protanomaly
60, 21.780, 177.630



Deuteranomaly
60, 17.438, 197.843



Tritanomaly
62, 34.627, 198.420

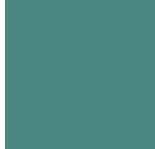
Monochromacy



Original Color
62, 40.991, 180.796



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 21.705, 186.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 40.912, 180.774 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 40.912, 180.774 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, 150) }
```

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

```
.border{ border-color:rgb(0, 169, 150) }
```

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, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 40.912, 180.774 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, 150) }
```

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

```
.background{ background-color: rgb(0, 169,  
150) }
```

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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