

Converting Colors

CIELCh(61, 40.549, 180.765)

Have a look what the booklet for
CIELCh(61, 40.549, 180.765)
contains.

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Color

CIELCh(61, 40.539, 180.565)

Conversions

Conversions Part 1

Format	Color
Hex	00A693
RGB	0, 166, 147
RGB Percent	0%, 65%, 58%
CMY	1.0000, 0.3502, 0.4247
CMYK	1.00, 0.00, 0.11, 0.35
HSL	173°, 100%, 32%
HSV	173°, 100%, 65%
XYZ	18.8068, 29.2481, 32.1348
YIQ	114.2000, -92.8370, -41.1010

Conversions

Conversions Part 2

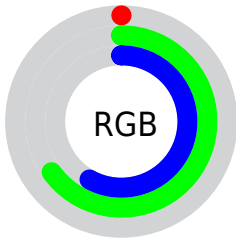
Format	Color
RYB	0, 88, 166
Decimal	42643
CIELab	61.00, -40.54, -0.40
CIELCh	61, 40.539, 180.565
Yxy	29.2481, 0.2345, 0.3647
Android (android.graphics.Color)	4278232723 (0xFF00A693)
YUV	114.2000, 16.1704, -100.1534
Hunter-Lab	54.0815, -32.5694, 2.6275

Details

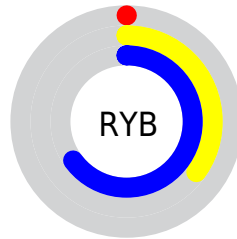
The CIELCh color **61, 40.539, 180.565** is a dark color, and the websafe version is hex **009999**, and the color name is **persian green**. A complement of this color would be **34, 70.855, 34.666**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 40.519, 180.525**, and **42, 31.477, 177.906** is the 20% darker color. If you saturate the color by 10%, you get **61, 40.490, 180.549**, and if you desaturate by 10%, it is **61, 39.253, 181.780**.

Distribution



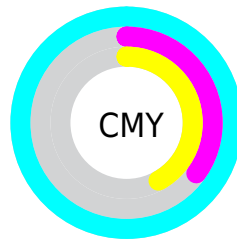
- Red (0%)
- Green (65%)
- Blue (58%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 40.539, 180.565 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 61, 40.539, 180.565 by changing the saturation by 10% instead.


 61, 40.539,
180.565


 61, 40.539,
180.565


 100, 40.539,
180.565


 51, 40.539,
180.565


 81, 40.539,
180.565

 41, 40.539,
180.565

 91, 40.539,
180.565

 31, 40.539,
180.565

 21, 40.539,
180.565

 11, 40.539,
180.565

 1, 40.539, 180.565

 0, 40.539, 180.565

■ 61, 40.539,
180.565

■ 61, 40.539,
180.565

■ 61, 40.490,
180.549

■ 61, 39.253,
181.780

■ 61, 37.475,
182.935

■ 62, 34.964,
183.992

■ 62, 31.705,
184.971

■ 63, 27.728,
185.889

■ 64, 23.101,
186.763

■ 64, 17.913,
187.606

■ 66, 12.266,

188.430

■ 67, 6.262, 189.260

Harmonies

Complementary

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



61, 40.539, 180.565



34, 70.855, 34.666

Rectangle

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



61, 40.539, 180.565



61, 40.539, 230.565



61, 40.539, 0.565



61, 40.539, 50.565

Sweetspot

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



61, 40.490, 180.549



81, 22.041, 187.561



59, 85.998, 135.389



42, 14.823, 187.227



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



61, 40.490, 180.549



77, 49.136, 180.296



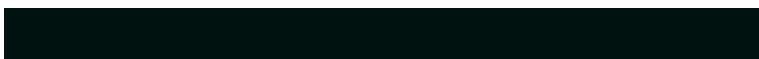
42, 41.015, 269.526



34, 3.503, 189.324



54, 36.728, 180.702



4, 5.602, 187.373

Inverse Universe

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



34, 70.855, 34.666



45, 86.630, 35.536



41, 65.228, 52.376



32, 3.665, 10.668



30, 63.973, 34.112



1, 5.537, 10.836

Previews

White Background



This preview shows how the CIELCh color 61, 40.539, 180.565 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 40.539, 180.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

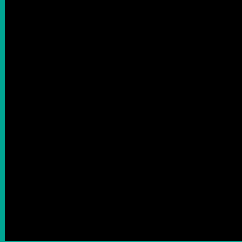
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 40.539, 180.565

Background



This preview shows how black text looks on a background with the CIELCh color 61, 40.539, 180.565.




This preview shows how white text looks on a background with the CIELCh color 61, 40.539, 180.565.

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
61, 31.635, 210.432

Trichromacy



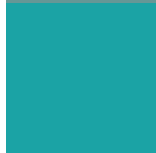
Original Color
61, 40.539, 180.565



Protanomaly
59, 21.807, 177.582



Deuteranomaly
59, 17.538, 195.946



Tritanomaly
61, 34.185, 198.449

Monochromacy



Original Color
61, 40.539, 180.565



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 21.442, 186.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 40.539, 180.565 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 40.539, 180.565 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, 147) }
```

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

```
.border{ border-color:rgb(0, 166, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 40.539, 180.565 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, 147) }
```

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

```
.background{ background-color: rgb(0, 166,  
147) }
```

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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