

Converting Colors

CIELCh(61, 35.423, 199.119)

Have a look what the booklet for
CIELCh(61, 35.423, 199.119)
contains.

CIELCh(61, 35.444, 199.225)	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(61, 35.444, 199.225)

Conversions

Conversions Part 1

Format	Color
Hex	03A4A7
RGB	3, 164, 167
RGB Percent	1%, 64%, 65%
CMY	0.9890, 0.3580, 0.3462
CMYK	0.98, 0.02, 0.00, 0.35
HSL	181°, 97%, 33%
HSV	181°, 98%, 65%
XYZ	20.2093, 29.2481, 41.0052
YIQ	116.2030, -96.9190, -33.1990

Conversions

Conversions Part 2

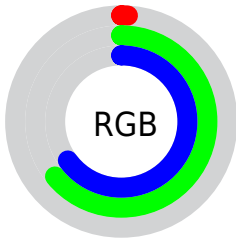
Format	Color
RYB	3, 84, 167
Decimal	238759
CIELab	61.00, -33.47, -11.67
CIELCh	61, 35.444, 199.225
Yxy	29.2481, 0.2234, 0.3233
Android (android.graphics.Color)	4278428839 (0xFF03A4A7)
YUV	116.2030, 25.0429, -99.2790
Hunter-Lab	54.0815, -27.9403, -7.0972

Details

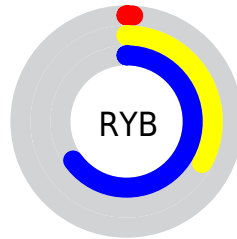
The CIELCh color **61, 35.444, 199.225** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **35, 74.720, 39.604**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 35.683, 198.717**, and **42, 26.592, 201.782** is the 20% darker color. If you saturate the color by 10%, you get **61, 35.535, 199.257**, and if you desaturate by 10%, it is **61, 34.798, 199.039**.

Distribution



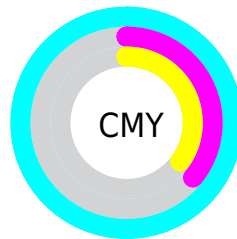
- Red (1%)
- Green (64%)
- Blue (65%)



- Red (1%)
- Yellow (33%)
- Blue (65%)



- Cyan (98%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)





- Cyan (99%)
- Magenta (36%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 35.444, 199.225 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, 35.444, 199.225 by changing the saturation by 10% instead.


 61, 35.444,
199.225


 61, 35.444,
199.225


 100, 35.444,
199.225


 51, 35.444,
199.225


 81, 35.444,
199.225

 41, 35.444,
199.225

 91, 35.444,
199.225

 31, 35.444,
199.225

 21, 35.444,
199.225

 11, 35.444,
199.225

 1, 35.444, 199.225

 0, 35.444, 199.225

■ 61, 35.444,
199.225

■ 61, 35.444,
199.225

■ 61, 35.535,
199.257

■ 61, 34.798,
199.039

■ 62, 33.535,
198.935

■ 62, 31.523,
198.926

■ 62, 28.739,
199.011

■ 63, 25.209,
199.183

■ 64, 20.987,
199.438

■ 65, 16.157,
199.768

■ 66, 10.811,

200.168

■ 67, 5.047, 200.658

Harmonies

Complementary

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



61, 35.444, 199.225



35, 74.720, 39.604

Rectangle

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



61, 35.444, 199.225



61, 35.444, 249.225



61, 35.444, 19.225



61, 35.444, 69.225

Sweetspot

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



61, 35.443, 199.224



82, 20.390, 199.724



59, 86.399, 136.241



43, 13.876, 199.583



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



61, 35.443, 199.224



78, 43.187, 199.311



36, 52.952, 284.621



35, 3.451, 200.603



54, 32.551, 199.228



5, 6.403, 201.633

Inverse Universe

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



39, 82.560, 328.943



51, 100.754, 328.981



46, 60.733, 62.640



33, 6.350, 325.413



35, 75.916, 328.960



2, 11.469, 325.134

Previews

White Background



This preview shows how the CIE LCh color 61, 35.444, 199.225 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, 35.444, 199.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

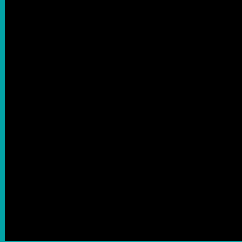
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 35.444, 199.225

Background



This preview shows how black text looks on a background with the CIELCh color 61, 35.444, 199.225.

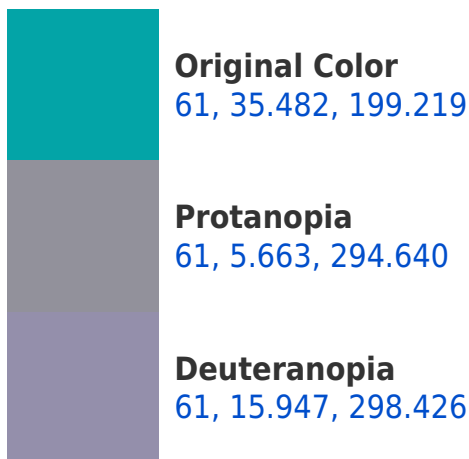


This preview shows how white text looks on a background with the CIELCh color 61, 35.444, 199.225.

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, 33.128, 210.733

Trichromacy



Original Color
61, 35.482, 199.219



Protanomaly
59, 19.586, 209.520



Deuteranomaly
59, 20.352, 228.316



Tritanomaly
61, 34.026, 206.298

Monochromacy



Original Color
61, 35.482, 199.219



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 19.746, 199.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 35.444, 199.225 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(3, 164, 167)` looks like.

```
.text, #text, p{  
    color:rgb(3, 164, 167)  
}
```

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(3, 164, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 164, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 35.444, 199.225 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(3, 164, 167) }
```

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

```
.border{ border-color:rgb(3, 164, 167) }
```

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

Here you see how a box with a 4 pixel rgb(3, 164, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 164, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 164, 167);  
box-shadow:4px 4px 4px 4px rgb(3, 164,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 35.444, 199.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 164, 167) }
```

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

```
.background{ background-color: rgb(3, 164,  
167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor