

Converting Colors

CIELCh(61, 33.840, 199.004)

Have a look what the booklet for
CIELCh(61, 33.840, 199.004)
contains.

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Color

CIELCh(61, 33.721, 199.492)

Conversions

Conversions Part 1

Format	Color
Hex	1FA3A6
RGB	31, 163, 166
RGB Percent	12%, 64%, 65%
CMY	0.8782, 0.3607, 0.3489
CMYK	0.81, 0.02, 0.00, 0.35
HSL	181°, 68%, 39%
HSV	181°, 81%, 65%
XYZ	20.5524, 29.2481, 40.6492
YIQ	123.8740, -79.6350, -27.0510

Conversions

Conversions Part 2

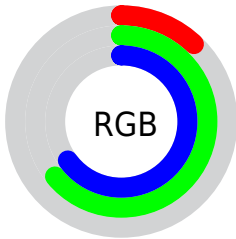
Format	Color
RYB	31, 98, 166
Decimal	2073510
CIELab	61.00, -31.79, -11.25
CIElCh	61, 33.721, 199.492
Yxy	29.2481, 0.2272, 0.3234
Android (android.graphics.Color)	4280263590 (0xFF1FA3A6)
YUV	123.8740, 20.7681, -81.4505
Hunter-Lab	54.0815, -26.8082, -6.7070




Details

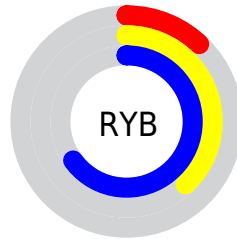
The CIELCh color **61, 33.721, 199.492** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **37, 63.464, 34.609**, and the grayscale version is **52, 0.007, 296.813**.




A 20% lighter version of the original color is **81, 33.614, 199.870**, and **42, 26.712, 200.413** is the 20% darker color. If you saturate the color by 10%, you get **61, 34.755, 199.671**, and if you desaturate by 10%, it is **61, 31.955, 199.413**.

Distribution







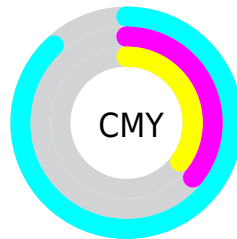
-  Red (12%)
-  Green (64%)
-  Blue (65%)






-  Red (12%)
-  Yellow (38%)
-  Blue (65%)



-  Cyan (81%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (35%)





-  Cyan (88%)
-  Magenta (36%)
-  Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 33.721, 199.492 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, 33.721, 199.492 by changing the saturation by 10% instead.

 61, 33.721,
199.492


 61, 33.721,
199.492


 100, 33.721,
199.492


 51, 33.721,
199.492


 81, 33.721,
199.492

 41, 33.721,
199.492

 91, 33.721,
199.492

 31, 33.721,
199.492

 21, 33.721,
199.492

 11, 33.721,
199.492

 1, 33.721, 199.492

 0, 33.721, 199.492

■ 61, 33.721,
199.492

■ 61, 33.721,
199.492

■ 61, 34.755,
199.671

■ 61, 31.955,
199.413

■ 61, 35.239,
199.889

■ 62, 29.424,
199.435

■ 63, 26.138,
199.554

■ 63, 22.145,
199.761

■ 64, 17.522,
200.049

■ 65, 12.358,
200.411

■ 67, 6.750, 200.852

■ 68, 0.793, 201.846



Harmonies

Complementary

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



61, 33.721, 199.492



37, 63.464, 34.609

Rectangle

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



61, 33.721, 199.492



61, 33.721, 249.492



61, 33.721, 19.492



61, 33.721, 69.492

Sweetspot

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



61, 33.721, 199.491



83, 17.120, 200.289



60, 79.876, 137.398



44, 11.711, 200.164



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, 33.721, 199.491



77, 42.870, 199.899



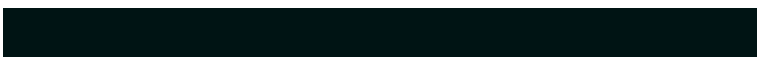
40, 43.618, 277.311



35, 3.437, 200.955



54, 32.381, 199.855



5, 6.369, 202.115

Inverse Universe

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



41, 77.204, 328.779



51, 100.115, 329.116



49, 52.065, 66.382



33, 6.333, 325.520



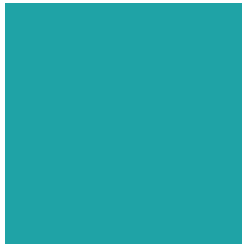
35, 75.689, 329.118



2, 11.427, 325.283

Previews

White Background



This preview shows how the CIELCh color 61, 33.721, 199.492 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, 33.721, 199.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

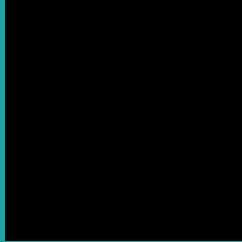
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

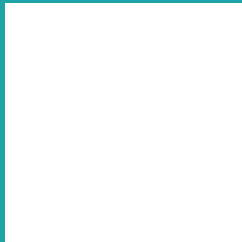
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 33.721, 199.492

Background



This preview shows how black text looks on a background with the CIELCh color 61, 33.721, 199.492.



This preview shows how white text looks on a background with the CIELCh color 61, 33.721, 199.492.

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](#).

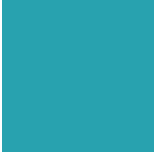
Dichromacy



Original Color
61, 33.721, 199.492

Protanopia
61, 5.663, 294.640

Deuteranopia
61, 15.995, 299.719



Tritanopia
61, 31.969, 210.263

Trichromacy



Original Color
61, 33.721, 199.492



Protanomaly
60, 16.781, 211.744



Deuteranomaly
60, 17.801, 235.758



Tritanomaly
61, 32.378, 206.919

Monochromacy



Original Color
61, 33.721, 199.492



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 16.866, 199.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 33.721, 199.492 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(31, 163, 166)` looks like.

```
.text, #text, p{  
    color:rgb(31, 163, 166)  
}
```

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(31, 163, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 163, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 33.721, 199.492 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(31, 163, 166) }
```

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

```
.border{ border-color:rgb(31, 163, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 163, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 163, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 163, 166);  
box-shadow:4px 4px 4px 4px rgb(31, 163,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 33.721, 199.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 163, 166) }
```

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

```
.background{ background-color: rgb(31, 163,  
166) }
```

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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