

Converting Colors

CIELCh(61, 35.989, 196.675)

Have a look what the booklet for
CIELCh(61, 35.989, 196.675)
contains.

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Color

CIELCh(61, 36.018, 196.386)

Conversions

Conversions Part 1

Format	Color
Hex	00A4A4
RGB	0, 164, 164
RGB Percent	0%, 64%, 64%
CMY	0.9992, 0.3567, 0.3567
CMYK	1.00, 0.00, 0.00, 0.36
HSL	180°, 100%, 32%
HSV	180°, 100%, 64%
XYZ	19.9892, 29.2481, 39.7324
YIQ	114.9640, -97.7440, -34.7680

Conversions

Conversions Part 2

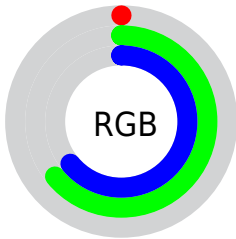
Format	Color
RYB	0, 82, 164
Decimal	42148
CIELab	61.00, -34.56, -10.16
CIELCh	61, 36.018, 196.386
Yxy	29.2481, 0.2247, 0.3287
Android (android.graphics.Color)	4278232228 (0xFF00A4A4)
YUV	114.9640, 24.1747, -100.8234
Hunter-Lab	54.0815, -28.6670, -5.7019

Details

The CIELCh color **61, 36.018, 196.386** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **34, 74.878, 39.759**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 36.196, 196.089**, and **42, 26.990, 197.714** is the 20% darker color. If you saturate the color by 10%, you get **61, 36.025, 196.384**, and if you desaturate by 10%, it is **61, 35.336, 196.439**.

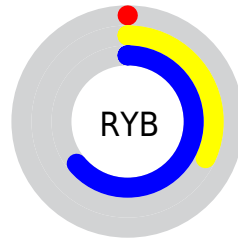
Distribution



Red (0%)

Green (64%)

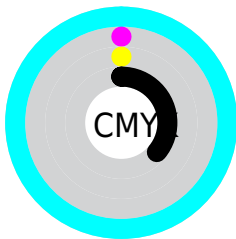
Blue (64%)



Red (0%)

Yellow (32%)

Blue (64%)

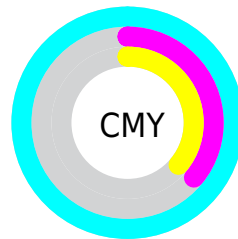


Cyan (100%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (100%)


Magenta (36%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 36.018, 196.386 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, 36.018, 196.386 by changing the saturation by 10% instead.


 61, 36.018,
196.386


 61, 36.018,
196.386


 100, 36.018,
196.386


 51, 36.018,
196.386


 81, 36.018,
196.386

 41, 36.018,
196.386

 91, 36.018,
196.386

 31, 36.018,
196.386

 21, 36.018,
196.386

 11, 36.018,
196.386

 1, 36.018, 196.386

 0, 36.018, 196.386

■ 61, 36.018,
196.386

■ 61, 36.018,
196.386

■ 61, 36.025,
196.384

■ 61, 35.336,
196.439

■ 61, 34.113,
196.537

■ 62, 32.160,
196.694

■ 62, 29.446,
196.915

■ 63, 25.985,
197.199

■ 63, 21.827,
197.547

■ 64, 17.049,
197.954

■ 65, 11.741,

198.419

■ 66, 6.001, 198.956

Harmonies

Complementary

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



61, 36.018, 196.386



34, 74.878, 39.759

Rectangle

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



61, 36.018, 196.386



61, 36.018, 246.386



61, 36.018, 16.386



61, 36.018, 66.386

Sweetspot

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



61, 36.017, 196.385



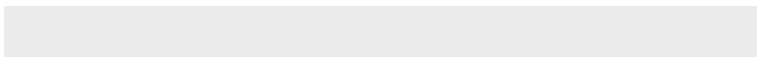
82, 21.215, 197.924



59, 85.976, 135.942



43, 14.220, 197.756



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, 36.017, 196.385



78, 43.937, 196.384



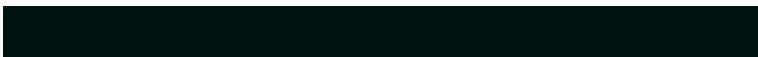
36, 49.707, 281.884



34, 3.428, 198.993



54, 32.967, 196.384



4, 5.463, 199.420

Inverse Universe

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



34, 74.878, 39.759



45, 91.682, 40.000



44, 61.525, 59.628



32, 3.629, 19.902



30, 68.063, 39.264



1, 5.464, 19.404

Previews

White Background



This preview shows how the CIE LCh color 61, 36.018, 196.386 looks on a white background.

Color Contrast Check

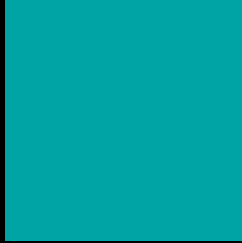
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.018, 196.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

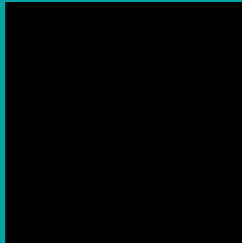
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

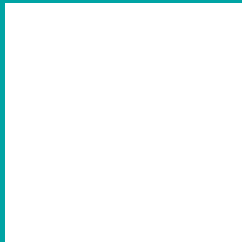
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 36.018, 196.386

Background



This preview shows how black text looks on a background with the CIELCh color 61, 36.018, 196.386.

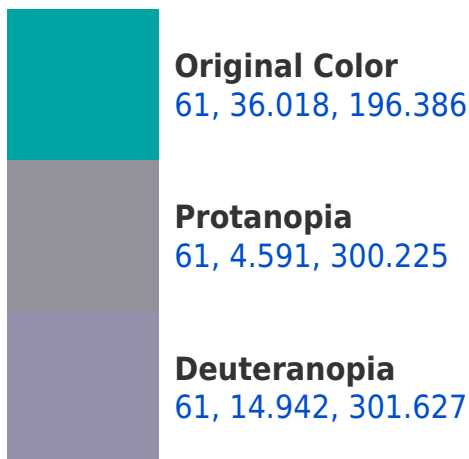


This preview shows how white text looks on a background with the CIELCh color 61, 36.018, 196.386.

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



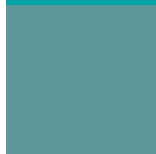


Tritanopia
61, 32.915, 209.802

Trichromacy



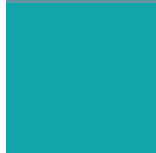
Original Color
61, 36.018, 196.386



Protanomaly
59, 19.566, 206.100



Deuteranomaly
59, 19.737, 225.543

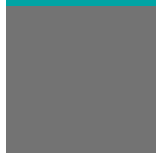


Tritanomaly
61, 34.108, 204.301

Monochromacy



Original Color
61, 36.018, 196.386



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 20.373, 197.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 36.018, 196.386 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, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 164)  
}
```

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, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 36.018, 196.386 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, 164, 164) }
```

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

```
.border{ border-color:rgb(0, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 36.018, 196.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 164) }
```

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

```
.background{ background-color: rgb(0, 164,  
164) }
```

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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