

Converting Colors

CIELCh(61, 41.515, 172.350)

Have a look what the booklet for
CIELCh(61, 41.515, 172.350)
contains.

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Color

CIELCh(61, 41.827, 171.996)

Conversions

Conversions Part 1

Format	Color
Hex	21A688
RGB	33, 166, 136
RGB Percent	13%, 65%, 53%
CMY	0.8689, 0.3503, 0.4679
CMYK	0.80, 0.00, 0.18, 0.35
HSL	166°, 66%, 39%
HSV	166°, 80%, 65%
XYZ	18.6365, 29.2481, 27.8362
YIQ	122.8130, -69.6380, -37.5260

Conversions

Conversions Part 2

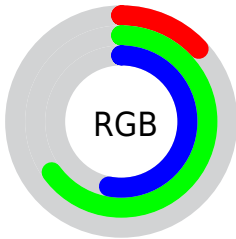
Format	Color
RYB	33, 108, 166
Decimal	2205320
CIELab	61.00, -41.42, 5.82
CIELCh	61, 41.827, 171.996
Yxy	29.2481, 0.2461, 0.3863
Android (android.graphics.Color)	4280395400 (0xFF21A688)
YUV	122.8130, 6.5012, -78.7660
Hunter-Lab	54.0815, -33.1317, 7.3401

Details

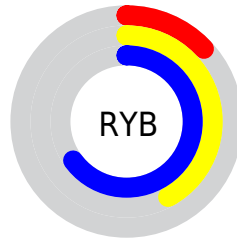
The CIELCh color **61, 41.827, 171.996** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **37, 56.356, 17.103**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 42.044, 171.800**, and **42, 35.384, 168.039** is the 20% darker color. If you saturate the color by 10%, you get **61, 44.398, 170.271**, and if you desaturate by 10%, it is **61, 38.550, 173.548**.

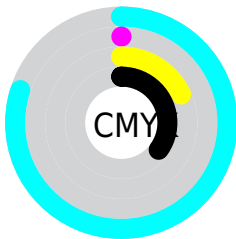
Distribution



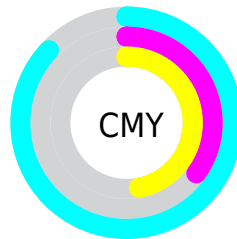
- Red (13%)
- Green (65%)
- Blue (53%)



- Red (13%)
- Yellow (42%)
- Blue (65%)



- Cyan (80%)
- Magenta (0%)
- Yellow (18%)
- Black (35%)





- Cyan (87%)
- Magenta (35%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 41.827, 171.996 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, 41.827, 171.996 by changing the saturation by 10% instead.


 61, 41.827,
171.996


 61, 41.827,
171.996


 100, 41.827,
171.996


 51, 41.827,
171.996


 81, 41.827,
171.996

 41, 41.827,
171.996

 91, 41.827,
171.996

 31, 41.827,
171.996

 21, 41.827,
171.996

 11, 41.827,
171.996

 1, 41.827, 171.996

 0, 41.827, 171.996

■ 61, 41.827,
171.996

■ 61, 41.827,
171.996

■ 61, 44.398,
170.271

■ 61, 38.550,
173.548

■ 61, 46.439,
168.429

■ 62, 34.562,
174.947

■ 61, 46.474,
168.398

■ 63, 29.906,
176.215

■ 63, 24.664,
177.376

■ 64, 18.935,
178.449

■ 65, 12.826,
179.456

■ 67, 6.443, 180.427

■ 68, 0.120, 357.623

Harmonies

Complementary

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



61, 41.827, 171.996



37, 56.356, 17.103

Rectangle

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



61, 41.827, 171.996



61, 41.827, 221.996



61, 41.827, 351.996



61, 41.827, 41.996

Sweetspot

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



61, 41.827, 171.995



82, 18.987, 178.999



60, 75.939, 133.737



43, 12.935, 178.656



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, 41.827, 171.995



77, 55.668, 168.785



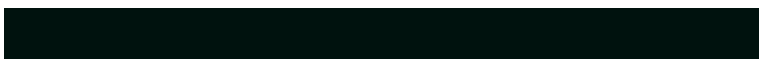
51, 30.379, 240.793



34, 3.667, 180.482



54, 42.090, 168.630



4, 5.920, 177.504

Inverse Universe

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



37, 56.356, 17.103



45, 78.401, 25.870



42, 55.137, 46.386



32, 3.791, 2.025



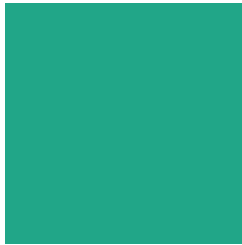
30, 59.560, 26.199



1, 5.723, 2.836

Previews

White Background



This preview shows how the CIE LCh color 61, 41.827, 171.996 looks on a white background.

Color Contrast Check

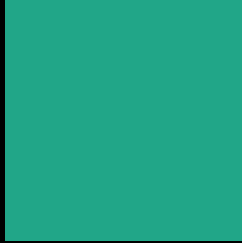
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.827, 171.996 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, 41.827, 171.996

Background



This preview shows how black text looks on a background with the CIELCh color 61, 41.827, 171.996.

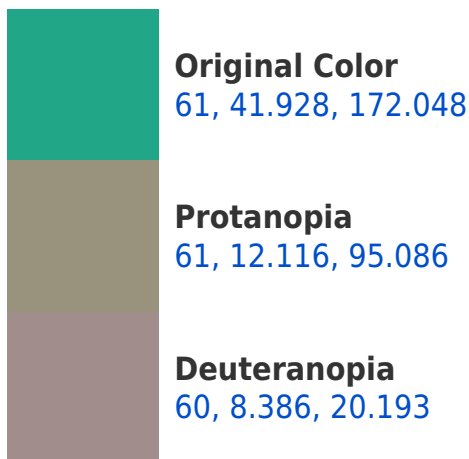


This preview shows how white text looks on a background with the CIELCh color 61, 41.827, 171.996.

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, 29.374, 211.678

Trichromacy



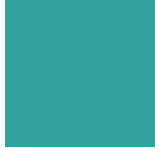
Original Color
61, 41.928, 172.048



Protanomaly
60, 21.404, 158.234



Deuteranomaly
59, 14.630, 172.807



Tritanomaly
61, 32.408, 193.607

Monochromacy



Original Color
61, 41.928, 172.048



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 19.143, 178.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 41.827, 171.996 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(33, 166, 136)` looks like.

```
.text, #text, p{  
    color:rgb(33, 166, 136)  
}
```

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(33, 166, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 166, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 41.827, 171.996 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(33, 166, 136) }
```

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

```
.border{ border-color:rgb(33, 166, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 166, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 166, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 166, 136);  
box-shadow:4px 4px 4px 4px rgb(33, 166,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 41.827, 171.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 166, 136) }
```

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

```
.background{ background-color: rgb(33, 166,  
136) }
```

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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