

Converting Colors

CIELCh(61, 31.990, 196.574)

Have a look what the booklet for
CIELCh(61, 31.990, 196.574)
contains.

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Color

CIELCh(61, 31.961, 196.688)

Conversions

Conversions Part 1

Format	Color
Hex	31A2A2
RGB	49, 162, 162
RGB Percent	19%, 64%, 64%
CMY	0.8095, 0.3631, 0.3631
CMYK	0.70, 0.00, 0.00, 0.36
HSL	180°, 54%, 41%
HSV	180°, 70%, 64%
XYZ	20.7944, 29.2481, 38.9182
YIQ	128.2130, -67.3480, -23.9560

Conversions

Conversions Part 2

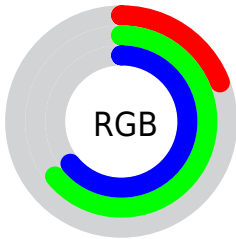
Format	Color
R_{YB}	49, 106, 162
Decimal	3252898
CIE _{Lab}	61.00, -30.61, -9.18
CIE _{LCh}	61, 31.961, 196.688
Yxy	29.2481, 0.2337, 0.3288
Android (android.graphics.Color)	4281442978 (0xFF31A2A2)
YUV	128.2130, 16.6570, -69.4698
Hunter-Lab	54.0815, -26.0093, -4.8092




Details

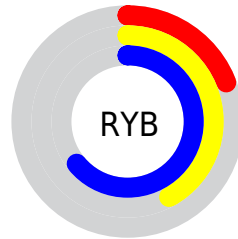
The CIELCh color **61, 31.961, 196.688** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 53.926, 30.085**, and the grayscale version is **54, 0.007, 296.813**.




A 20% lighter version of the original color is **81, 31.746, 197.218**, and **42, 26.974, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **61, 33.886, 196.530**, and if you desaturate by 10%, it is **61, 29.281, 196.906**.

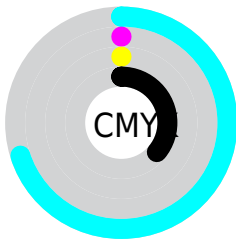
Distribution







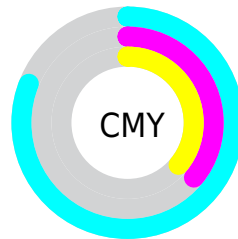
-  Red (19%)
-  Green (64%)
-  Blue (64%)






-  Red (19%)
-  Yellow (42%)
-  Blue (64%)



-  Cyan (70%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (36%)





-  Cyan (81%)
-  Magenta (36%)
-  Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 31.961, 196.688 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, 31.961, 196.688 by changing the saturation by 10% instead.

 61, 31.961,
196.688


 61, 31.961,
196.688


 100, 31.961,
196.688


 51, 31.961,
196.688


 81, 31.961,
196.688

 41, 31.961,
196.688

 91, 31.961,
196.688

 31, 31.961,
196.688

 21, 31.961,
196.688

 11, 31.961,
196.688

 1, 31.961, 196.688

 0, 31.961, 196.688

■ 61, 31.961,
196.688

■ 61, 31.961,
196.688

■ 61, 33.886,
196.530

■ 61, 29.281,
196.906

■ 61, 35.089,
196.433

■ 62, 25.861,
197.190

■ 60, 35.761,
196.378

■ 63, 21.748,
197.536

■ 63, 17.020,
197.942

■ 64, 11.764,
198.406

■ 66, 6.079, 198.940

■ 67, 0.056, 207.799

■ 68, 6.218, 19.884

Harmonies

Complementary

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



61, 31.961, 196.688



38, 53.926, 30.085

Rectangle

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



61, 31.961, 196.688



61, 31.961, 246.688



61, 31.961, 16.688



61, 31.961, 66.688

Sweetspot

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



61, 31.961, 196.687



82, 15.191, 198.342



59, 71.696, 138.000



43, 10.275, 198.217



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, 31.961, 196.687



77, 42.170, 196.470



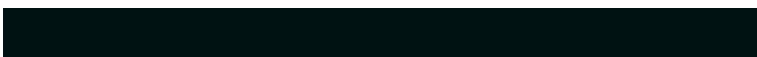
44, 35.249, 269.220



34, 3.428, 198.989



54, 32.968, 196.379



4, 5.463, 199.416

Inverse Universe

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



38, 53.926, 30.085



46, 80.356, 35.400



49, 43.901, 65.085



32, 3.629, 19.899



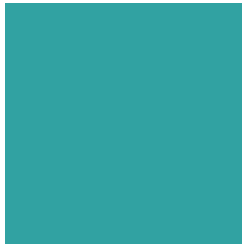
30, 68.061, 39.262



1, 5.464, 19.401

Previews

White Background



This preview shows how the CIELCh color 61, 31.961, 196.688 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, 31.961, 196.688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

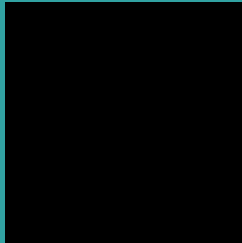
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 31.961, 196.688

Background



This preview shows how black text looks on a background with the CIELCh color 61, 31.961, 196.688.

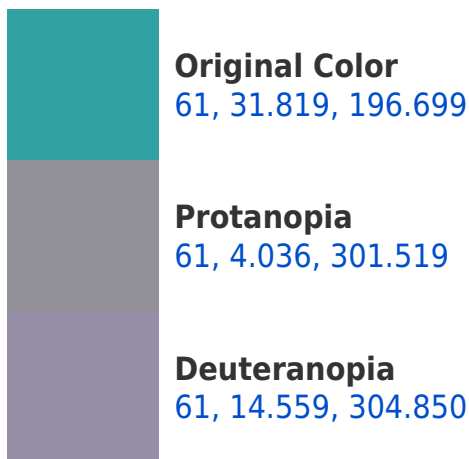


This preview shows how white text looks on a background with the CIELCh color 61, 31.961, 196.688.

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, 29.871, 211.385

Trichromacy



Original Color
61, 31.819, 196.699



Protanomaly
60, 14.275, 209.683



Deuteranomaly
60, 14.792, 236.487



Tritanomaly
61, 30.483, 205.495

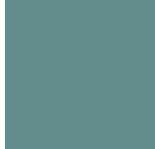
Monochromacy



Original Color
61, 31.819, 196.699



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 15.047, 197.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 31.961, 196.688 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(49, 162, 162)` looks like.

```
.text, #text, p{  
    color:rgb(49, 162, 162)  
}
```

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(49, 162, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 162, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 31.961, 196.688 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(49, 162, 162) }
```

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

```
.border{ border-color:rgb(49, 162, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 162, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 162, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 162, 162);  
box-shadow:4px 4px 4px 4px rgb(49, 162,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 31.961, 196.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 162, 162) }
```

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

```
.background{ background-color: rgb(49, 162,  
162) }
```

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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