

Converting Colors

CIELCh(60, 31.950, 196.558)

Have a look what the booklet for
CIELCh(60, 31.950, 196.558)
contains.

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Color

CIELCh(60, 31.986, 196.662)

Conversions

Conversions Part 1

Format	Color
Hex	2DA0A0
RGB	45, 160, 160
RGB Percent	18%, 63%, 63%
CMY	0.8251, 0.3736, 0.3736
CMYK	0.72, 0.00, 0.00, 0.37
HSL	180°, 56%, 40%
HSV	180°, 72%, 63%
XYZ	19.9090, 28.1233, 37.5117
YIQ	125.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

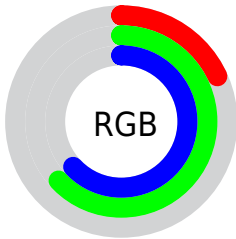
Format	Color
<code>RYB</code>	<code>45, 103, 160</code>
Decimal	<code>2990240</code>
CIELab	<code>60.00, -30.64, -9.17</code>
CIELCh	<code>60, 31.986, 196.662</code>
Yxy	<code>28.1233, 0.2327, 0.3288</code>
Android (<code>android.graphics.Color</code>)	<code>4281180320 (0xFF2DA0A0)</code>
YUV	<code>125.6150, 16.9518, -70.6994</code>
Hunter-Lab	<code>53.0314, -25.7929, -4.8167</code>

Details

The CIELCh color **60, 31.986, 196.662** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **37, 54.810, 30.691**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 31.949, 197.189**, and **41, 26.467, 197.747** is the 20% darker color. If you saturate the color by 10%, you get **60, 33.747, 196.517**, and if you desaturate by 10%, it is **60, 29.483, 196.867**.

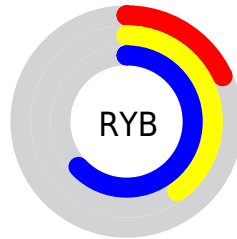
Distribution



Red (18%)

Green (63%)

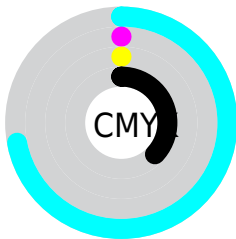
Blue (63%)



Red (18%)

Yellow (40%)

Blue (63%)

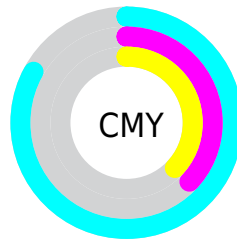


Cyan (72%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (83%)


Magenta (37%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 31.986, 196.662 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 60, 31.986, 196.662 by changing the saturation by 10% instead.


 60, 31.986,
196.662


 60, 31.986,
196.662


 100, 31.986,
196.662


 50, 31.986,
196.662


 80, 31.986,
196.662

 40, 31.986,
196.662

 90, 31.986,
196.662


 30, 31.986,
196.662

 20, 31.986,
196.662

 10, 31.986,
196.662

 0, 31.986, 196.662

 60, 31.986,

 60, 31.986,

196.662

196.662

■ 60, 33.747,
196.517

■ 60, 29.483,
196.867

■ 60, 34.809,
196.431

■ 61, 26.246,
197.138

■ 60, 35.324,
196.389

■ 62, 22.315,
197.471

■ 62, 17.761,
197.865

■ 63, 12.670,
198.317

■ 64, 7.137, 198.833

■ 66, 1.254, 199.666

■ 67, 4.892, 19.756

■ 68, 11.225, 20.391

Harmonies

Complementary

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



60, 31.986, 196.662



37, 54.810, 30.691

Rectangle

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



60, 31.986, 196.662



60, 31.986, 246.662



60, 31.986, 16.662



60, 31.986, 66.662

Sweetspot

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



60, 31.986, 196.661



80, 15.552, 198.301



58, 72.402, 138.031



42, 10.444, 198.182



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



60, 31.986, 196.661



76, 41.654, 196.462



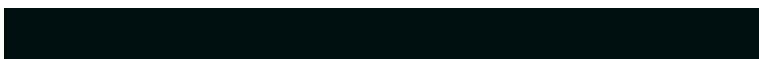
42, 36.625, 271.799



33, 3.339, 198.998



54, 32.543, 196.389



3, 4.472, 199.424

Inverse Universe

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



41, 71.086, 327.790



50, 95.054, 328.110



48, 44.643, 66.371



31, 6.104, 324.916



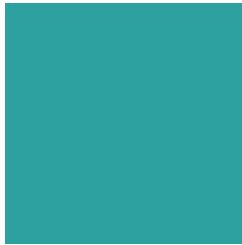
34, 75.046, 328.233



1, 7.944, 324.439

Previews

White Background



This preview shows how the CIE LCh color 60, 31.986, 196.662 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 60, 31.986, 196.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

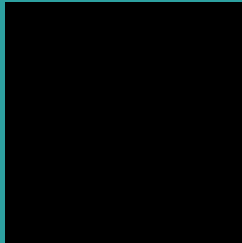
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 31.986, 196.662

Background



This preview shows how black text looks on a background with the CIELCh color 60, 31.986, 196.662.

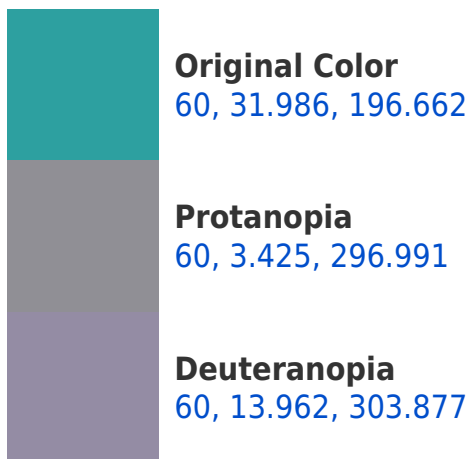



This preview shows how white text looks on a background with the CIELCh color 60, 31.986, 196.662.

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
60, 29.726, 211.492

Trichromacy



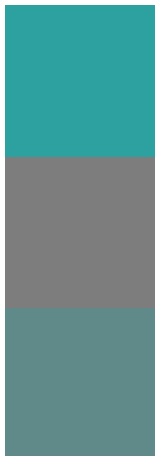
Original Color
60, 31.986, 196.662

Protanomaly
59, 14.569, 207.144

Deuteranomaly
59, 15.035, 233.137

Tritanomaly
60, 30.471, 205.499

Monochromacy



Original Color
60, 31.986, 196.662

Achromatopsia
52, 0.007, 296.813

Achromatomaly
55, 15.073, 197.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 31.986, 196.662 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(45, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(45, 160, 160)  
}
```

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(45, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 160, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 31.986, 196.662 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(45, 160, 160) }
```

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

```
.border{ border-color:rgb(45, 160, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 160, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(45, 160,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 31.986, 196.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 160, 160) }
```

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

```
.background{ background-color: rgb(45, 160,  
160) }
```

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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