

Converting Colors

CIELCh(62, 37.797, 189.815)

Have a look what the booklet for
CIELCh(62, 37.797, 189.815)
contains.

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Color

CIELCh(62, 37.973, 189.376)

Conversions

Conversions Part 1

Format	Color
Hex	02A8A0
RGB	2, 168, 160
RGB Percent	1%, 66%, 63%
CMY	0.9907, 0.3427, 0.3740
CMYK	0.99, 0.00, 0.05, 0.34
HSL	177°, 97%, 33%
HSV	177°, 99%, 66%
XYZ	20.2728, 30.4025, 37.8849
YIQ	117.4540, -96.3680, -37.6800

Conversions

Conversions Part 2

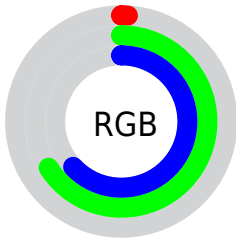
Format	Color
R_{YB}	2, 87, 168
Decimal	174240
CIE Lab	62.00, -37.47, -6.19
CIE LCh	62, 37.973, 189.376
Yxy	30.4025, 0.2289, 0.3433
Android (android.graphics.Color)	4278364320 (0xFF02A8A0)
YUV	117.4540, 20.9752, -101.2532
Hunter-Lab	55.1385, -30.8632, -2.1403

Details

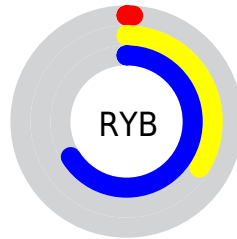
The CIELCh color **62, 37.973, 189.376** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **35, 73.517, 37.490**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 38.028, 189.546**, and **43, 29.026, 189.001** is the 20% darker color. If you saturate the color by 10%, you get **62, 38.088, 189.288**, and if you desaturate by 10%, it is **62, 37.064, 189.999**.

Distribution



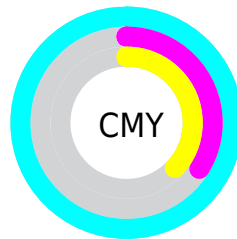
- Red (1%)
- Green (66%)
- Blue (63%)



- Red (1%)
- Yellow (34%)
- Blue (66%)



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)





- Cyan (99%)
- Magenta (34%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 37.973, 189.376 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 62, 37.973, 189.376 by changing the saturation by 10% instead.


 62, 37.973,
189.376


 62, 37.973,
189.376


 100, 37.973,
189.376


 52, 37.973,
189.376


 82, 37.973,
189.376

 42, 37.973,
189.376

 92, 37.973,
189.376

 32, 37.973,
189.376

 22, 37.973,
189.376

 12, 37.973,
189.376

 2, 37.973, 189.376

 0, 37.973, 189.376

■ 62, 37.973,
189.376

■ 62, 37.973,
189.376

■ 62, 38.088,
189.288

■ 62, 37.064,
189.999

■ 62, 35.541,
190.601

■ 63, 33.263,
191.187

■ 63, 30.215,
191.769

■ 64, 26.422,
192.358

■ 65, 21.948,
192.960

■ 65, 16.880,
193.579

■ 66, 11.316,

194.222

■ 68, 5.357, 194.913

Harmonies

Complementary

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



62, 37.973, 189.376



35, 73.517, 37.490

Rectangle

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



62, 37.973, 189.376



62, 37.973, 239.376



62, 37.973, 9.376



62, 37.973, 59.376

Sweetspot

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



62, 37.973, 189.375



82, 21.689, 193.457



60, 86.850, 135.849



43, 14.696, 193.205



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



62, 37.973, 189.375



78, 46.166, 189.166



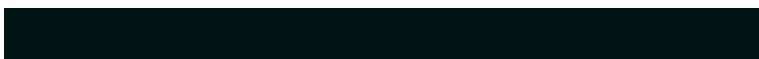
39, 46.704, 277.711



35, 3.537, 194.861



55, 34.728, 189.357



5, 6.612, 193.830

Inverse Universe

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



35, 73.517, 37.490



45, 90.550, 38.417



44, 62.787, 57.191



33, 3.727, 15.989



30, 67.317, 37.404



1, 6.589, 15.944

Previews

White Background



This preview shows how the CIE LCh color 62, 37.973, 189.376 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 62, 37.973, 189.376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

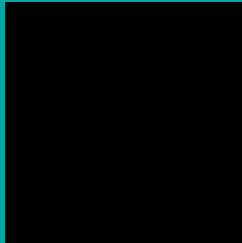
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 37.973, 189.376

Background



This preview shows how black text looks on a background with the CIELCh color 62, 37.973, 189.376.

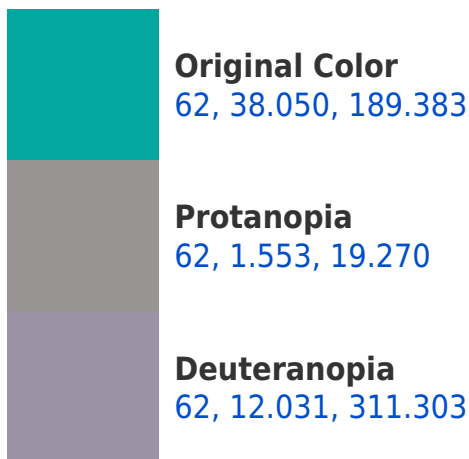


This preview shows how white text looks on a background with the CIELCh color 62, 37.973, 189.376.

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



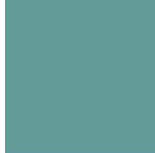


Tritanopia
62, 32.809, 209.836

Trichromacy



Original Color
62, 38.050, 189.383



Protanomaly
60, 19.816, 192.686



Deuteranomaly
60, 18.405, 215.952



Tritanomaly
62, 34.576, 201.288

Monochromacy



Original Color
62, 38.050, 189.383



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 20.742, 192.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 37.973, 189.376 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(2, 168, 160)` looks like.

```
.text, #text, p{  
    color:rgb(2, 168, 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(2, 168, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 168, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 37.973, 189.376 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(2, 168, 160) }
```

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

```
.border{ border-color:rgb(2, 168, 160) }
```

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

Here you see how a box with a 4 pixel rgb(2, 168, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 168, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 168, 160);  
box-shadow:4px 4px 4px 4px rgb(2, 168,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 37.973, 189.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 168, 160) }
```

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

```
.background{ background-color: rgb(2, 168,  
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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