

Converting Colors

CIELCh(62, 36.052, 198.235)

Have a look what the booklet for
CIELCh(62, 36.052, 198.235)
contains.

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Color

CIELCh(62, 36.102, 198.238)

Conversions

Conversions Part 1

Format	Color
Hex	02A7A9
RGB	2, 167, 169
RGB Percent	1%, 65%, 66%
CMY	0.9929, 0.3462, 0.3383
CMYK	0.99, 0.01, 0.00, 0.34
HSL	181°, 98%, 33%
HSV	181°, 99%, 66%
XYZ	20.9265, 30.4025, 42.1674
YIQ	117.8930, -98.9820, -34.3580

Conversions

Conversions Part 2

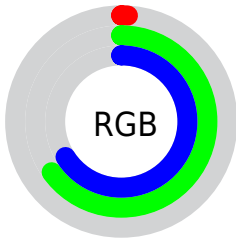
Format	Color
R_{YB}	2, 85, 169
Decimal	173993
CIE _{Lab}	62.00, -34.29, -11.30
CIE _{LCh}	62, 36.102, 198.238
Yxy	30.4025, 0.2238, 0.3252
Android (android.graphics.Color)	4278364073 (0xFF02A7A9)
YUV	117.8930, 25.1958, -101.6382
Hunter-Lab	55.1385, -28.7468, -6.7453

Details

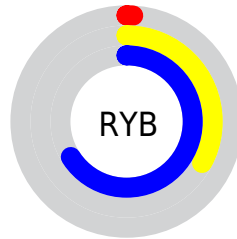
The CIELCh color **62, 36.102, 198.238** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **35, 75.839, 39.718**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 36.226, 197.821**, and **43, 27.232, 200.317** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.163, 198.249**, and if you desaturate by 10%, it is **62, 35.451, 198.135**.

Distribution



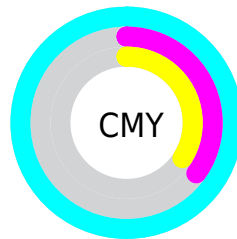
- Red (1%)
- Green (65%)
- Blue (66%)



- Red (1%)
- Yellow (33%)
- Blue (66%)



- Cyan (99%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)





- Cyan (99%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 36.102, 198.238 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, 36.102, 198.238 by changing the saturation by 10% instead.

 62, 36.102,
198.238


 62, 36.102,
198.238


 100, 36.102,
198.238

 52, 36.102,
198.238


 82, 36.102,
198.238

 42, 36.102,
198.238

 92, 36.102,
198.238

 32, 36.102,
198.238

 22, 36.102,
198.238

 12, 36.102,
198.238

 2, 36.102, 198.238

 0, 36.102, 198.238

■ 62, 36.102,
198.238

■ 62, 36.102,
198.238

■ 62, 36.163,
198.249

■ 62, 35.451,
198.135

■ 62, 34.198,
198.101

■ 63, 32.192,
198.148

■ 63, 29.405,
198.279

■ 64, 25.859,
198.490

■ 65, 21.608,
198.776

■ 66, 16.733,
199.133

■ 67, 11.328,

199.556

■ 68, 5.493, 200.061

Harmonies

Complementary

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



62, 36.102, 198.238



35, 75.839, 39.718

Rectangle

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



62, 36.102, 198.238



62, 36.102, 248.238



62, 36.102, 18.238



62, 36.102, 68.238

Sweetspot

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



62, 36.101, 198.237



83, 21.350, 199.070



60, 87.640, 136.064



43, 14.310, 198.923



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, 36.101, 198.237



79, 43.955, 198.283



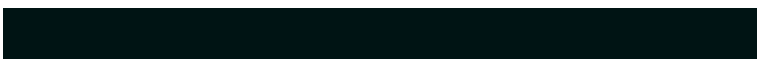
37, 52.072, 283.298



35, 3.473, 200.040



55, 32.832, 198.228



5, 6.460, 200.860

Inverse Universe

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



40, 83.820, 328.697



52, 102.153, 328.719



46, 61.945, 61.081



33, 6.377, 325.242



35, 76.287, 328.705



2, 11.539, 324.892

Previews

White Background



This preview shows how the CIE LCh color 62, 36.102, 198.238 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, 36.102, 198.238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

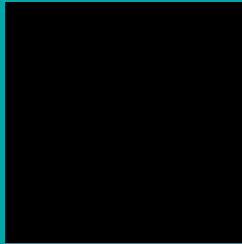
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 36.102, 198.238

Background



This preview shows how black text looks on a background with the CIELCh color 62, 36.102, 198.238.

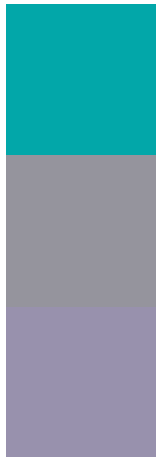


This preview shows how white text looks on a background with the CIELCh color 62, 36.102, 198.238.

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



Original Color

62, 36.139, 198.234

Protanopia

62, 5.082, 295.004

Deuteranopia

62, 16.012, 300.994

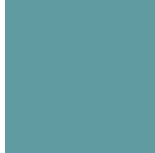


Tritanopia
62, 33.561, 210.499

Trichromacy



Original Color
62, 36.139, 198.234



Protanomaly
60, 20.107, 207.479



Deuteranomaly
60, 20.349, 228.249



Tritanomaly
62, 34.592, 205.129

Monochromacy



Original Color
62, 36.139, 198.234



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 20.378, 197.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 36.102, 198.238 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, 167, 169)` looks like.

```
.text, #text, p{  
    color:rgb(2, 167, 169)  
}
```

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, 167, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 167, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 36.102, 198.238 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, 167, 169) }
```

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

```
.border{ border-color:rgb(2, 167, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 167, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 167, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 167, 169);  
box-shadow:4px 4px 4px 4px rgb(2, 167,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 36.102, 198.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 167, 169) }
```

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

```
.background{ background-color: rgb(2, 167,  
169) }
```

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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