

Converting Colors

CIELCh(58, 68.226, 195.019)

Have a look what the booklet for
CIELCh(58, 68.226, 195.019)
contains.

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Color

CIELCh(62, 36.214, 198.224)

Conversions

Conversions Part 1

Format	Color
Hex	00A7A9
RGB	0, 167, 169
RGB Percent	0%, 65%, 66%
CMY	1.0000, 0.3460, 0.3381
CMYK	1.00, 0.01, 0.00, 0.34
HSL	181°, 100%, 33%
HSV	181°, 100%, 66%
XYZ	20.9039, 30.4025, 42.1905
YIQ	117.2950, -100.1740, -34.7820

Conversions

Conversions Part 2

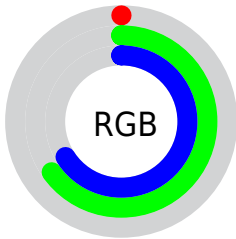
Format	Color
RYB	0, 84, 169
Decimal	42921
CIELab	62.00, -34.40, -11.33
CIELCh	62, 36.214, 198.224
Yxy	30.4025, 0.2236, 0.3252
Android (android.graphics.Color)	4278233001 (0xFF00A7A9)
YUV	117.2950, 25.4906, -102.8677
Hunter-Lab	55.1385, -28.8203, -6.7702

Details

The CIELCh color **62, 36.214, 198.224** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **35, 76.458, 40.019**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 36.410, 197.805**, and **43, 27.232, 200.317** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.177, 198.228**, and if you desaturate by 10%, it is **62, 35.557, 198.124**.

Distribution



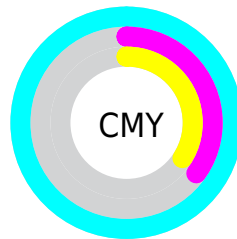
- Red (0%)
- Green (65%)
- Blue (66%)



- Red (0%)
- Yellow (33%)
- Blue (66%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 36.214, 198.224 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, 36.214, 198.224 by changing the saturation by 10% instead.


 62, 36.214,
198.224


 62, 36.214,
198.224


 100, 36.214,
198.224


 52, 36.214,
198.224


 82, 36.214,
198.224

 42, 36.214,
198.224


 92, 36.214,
198.224

 32, 36.214,
198.224

 22, 36.214,
198.224

 12, 36.214,
198.224

 2, 36.214, 198.224

 0, 36.214, 198.224

■ 62, 36.214,
198.224

■ 62, 36.214,
198.224

■ 62, 36.177,
198.228

■ 62, 35.557,
198.124

■ 62, 34.381,
198.083

■ 63, 32.457,
198.123

■ 63, 29.753,
198.246

■ 64, 26.285,
198.449

■ 65, 22.105,
198.728

■ 66, 17.291,
199.078

■ 67, 11.937,

199.494

■ 68, 6.141, 199.988

Harmonies

Complementary

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



62, 36.214, 198.224



35, 76.458, 40.019

Rectangle

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



62, 36.214, 198.224



62, 36.214, 248.224



62, 36.214, 18.224



62, 36.214, 68.224

Sweetspot

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



62, 36.177, 198.228



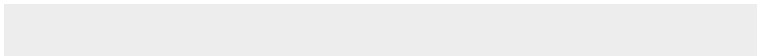
83, 21.353, 199.058



60, 87.927, 136.016



43, 14.312, 198.910



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, 36.177, 198.228



79, 43.963, 198.261



36, 52.664, 283.742



35, 3.473, 200.028



55, 32.838, 198.208



5, 6.461, 200.844

Inverse Universe

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



40, 84.058, 328.705



52, 102.164, 328.714



45, 62.490, 60.866



33, 6.378, 325.238



35, 76.295, 328.700



2, 11.541, 324.887

Previews

White Background



This preview shows how the CIELCh color 62, 36.214, 198.224 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 CIELCh color 62, 36.214, 198.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

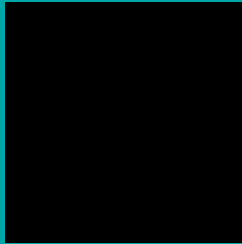
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 36.214, 198.224

Background



This preview shows how black text looks on a background with the CIELCh color 62, 36.214, 198.224.

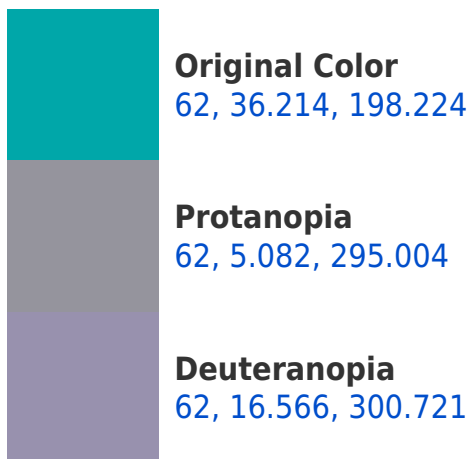


This preview shows how white text looks on a background with the CIELCh color 62, 36.214, 198.224.

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, 33.561, 210.499

Trichromacy



Original Color
62, 36.214, 198.224

Protanomaly
60, 20.107, 207.479

Deuteranomaly
60, 20.556, 229.776

Tritanomaly
62, 34.592, 205.129

Monochromacy



Original Color
62, 36.214, 198.224

Achromatopsia
49, 0.007, 296.813

Achromatomaly
52, 20.551, 199.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 36.214, 198.224 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(0, 167, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 167, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 36.214, 198.224 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(0, 167, 169) }
```

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

```
.border{ border-color:rgb(0, 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(0, 167, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 36.214, 198.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 169) }
```

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

```
.background{ background-color: rgb(0, 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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