

Converting Colors

CIELCh(62, 35.292, 201.958)

Have a look what the booklet for
CIELCh(62, 35.292, 201.958)
contains.

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Color

CIELCh(62, 35.243, 202.088)

Conversions

Conversions Part 1

Format	Color
Hex	0AA6AC
RGB	10, 166, 172
RGB Percent	4%, 65%, 67%
CMY	0.9607, 0.3482, 0.3246
CMYK	0.94, 0.03, 0.00, 0.32
HSL	182°, 89%, 36%
HSV	182°, 94%, 68%
XYZ	21.2677, 30.4025, 43.8856
YIQ	120.0400, -94.9020, -31.2060

Conversions

Conversions Part 2

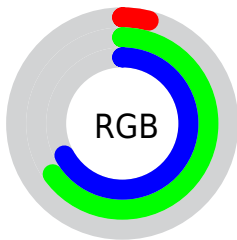
Format	Color
RYB	10, 89, 172
Decimal	698028
CIELab	62.00, -32.66, -13.25
CIELCh	62, 35.243, 202.088
Yxy	30.4025, 0.2226, 0.3182
Android (android.graphics.Color)	4278888108 (0xFF0AA6AC)
YUV	120.0400, 25.6163, -96.5051
Hunter-Lab	55.1385, -27.6423, -8.5929

Details

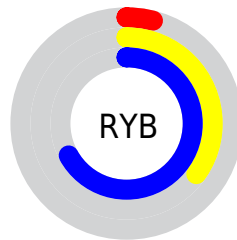
The CIELCh color **62, 35.243, 202.088** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 74.063, 38.768**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 35.287, 201.412**, and **43, 26.660, 205.798** is the 20% darker color. If you saturate the color by 10%, you get **62, 35.512, 202.369**, and if you desaturate by 10%, it is **62, 34.451, 201.666**.

Distribution



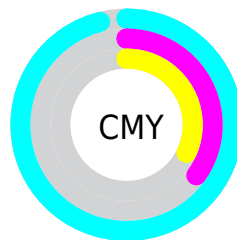
- Red (4%)
- Green (65%)
- Blue (67%)



- Red (4%)
- Yellow (35%)
- Blue (67%)



- Cyan (94%)
- Magenta (3%)
- Yellow (0%)
- Black (32%)





- Cyan (96%)
- Magenta (35%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 35.243, 202.088 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, 35.243, 202.088 by changing the saturation by 10% instead.


 62, 35.243,
202.088


 62, 35.243,
202.088


 100, 35.243,
202.088


 52, 35.243,
202.088


 82, 35.243,
202.088

 42, 35.243,
202.088

 92, 35.243,
202.088

 32, 35.243,
202.088

 22, 35.243,
202.088

 12, 35.243,
202.088

 2, 35.243, 202.088

 0, 35.243, 202.088

■ 62, 35.243,
202.088

■ 62, 35.243,
202.088

■ 62, 35.512,
202.369

■ 62, 34.451,
201.666

■ 63, 32.928,
201.382

■ 63, 30.622,
201.230

■ 64, 27.531,
201.202

■ 65, 23.697,
201.285

■ 66, 19.191,
201.467

■ 67, 14.105,
201.738

■ 68, 8.537, 202.094

Harmonies

Complementary

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



62, 35.243, 202.088



36, 74.063, 38.768

Rectangle

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



62, 35.243, 202.088



62, 35.243, 252.088



62, 35.243, 22.088



62, 35.243, 72.088

Sweetspot

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



62, 35.242, 202.087



85, 19.941, 201.611



61, 87.153, 136.577



44, 13.526, 201.502



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



62, 35.242, 202.087



79, 43.234, 202.481



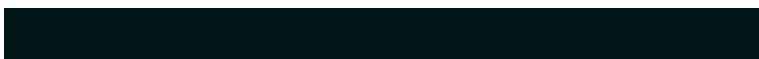
37, 53.698, 284.533



36, 3.472, 202.307



54, 32.167, 202.301



6, 7.396, 204.191

Inverse Universe

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



41, 82.624, 329.630



53, 101.892, 329.778



49, 60.205, 65.008



34, 6.427, 325.931



35, 75.770, 329.733



2, 13.353, 325.924

Previews

White Background



This preview shows how the CIELCh color 62, 35.243, 202.088 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, 35.243, 202.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

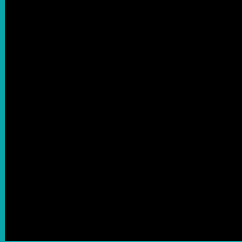
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

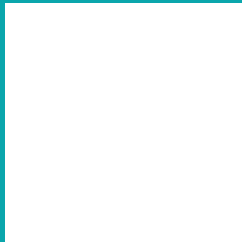
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 35.243, 202.088

Background



This preview shows how black text looks on a background with the CIELCh color 62, 35.243, 202.088.

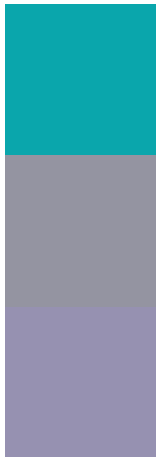


This preview shows how white text looks on a background with the CIELCh color 62, 35.243, 202.088.

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, 35.207, 202.097

Protanopia
62, 7.309, 290.990

Deuteranopia
62, 18.141, 297.776

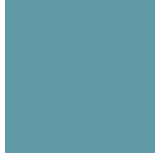


Tritanopia
62, 33.774, 210.396

Trichromacy



Original Color
62, 35.207, 202.097



Protanomaly
61, 19.470, 214.824



Deuteranomaly
60, 20.828, 235.062



Tritanomaly
62, 34.146, 208.228

Monochromacy



Original Color
62, 35.207, 202.097



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 19.404, 200.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 35.243, 202.088 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(10, 166, 172)` looks like.

```
.text, #text, p{  
    color:rgb(10, 166, 172)  
}
```

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(10, 166, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 166, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 35.243, 202.088 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(10, 166, 172) }
```

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

```
.border{ border-color:rgb(10, 166, 172) }
```

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

Here you see how a box with a 4 pixel rgb(10, 166, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 166, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 166, 172);  
box-shadow:4px 4px 4px 4px rgb(10, 166,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 35.243, 202.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 166, 172) }
```

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

```
.background{ background-color: rgb(10, 166,  
172) }
```

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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