

Converting Colors

CIELCh(62, 45.379, 171.160)

Have a look what the booklet for
CIELCh(62, 45.379, 171.160)
contains.

CIELCh(62, 45.618, 170.875)	3
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Color

CIELCh(62, 45.618, 170.875)

Conversions

Conversions Part 1

Format	Color
Hex	04AA88
RGB	4, 170, 136
RGB Percent	2%, 67%, 53%
CMY	0.9862, 0.3348, 0.4680
CMYK	0.98, 0.00, 0.20, 0.33
HSL	168°, 96%, 34%
HSV	168°, 98%, 67%
XYZ	18.7694, 30.4025, 28.0431
YIQ	116.4900, -88.0220, -45.7660

Conversions

Conversions Part 2

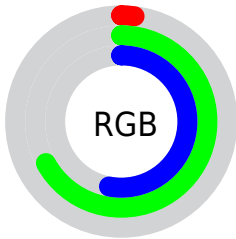
Format	Color
RYB	4, 96, 170
Decimal	305800
CIELab	62.00, -45.04, 7.23
CIELCh	62, 45.618, 170.875
Yxy	30.4025, 0.2431, 0.3937
Android (android.graphics.Color)	4278495880 (0xFF04AA88)
YUV	116.4900, 9.6184, -98.6537
Hunter-Lab	55.1385, -35.7300, 8.4425

Details

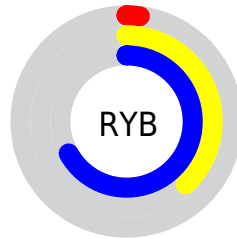
The CIELCh color **62, 45.618, 170.875** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 67.033, 27.736**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 45.565, 170.776**, and **43, 37.496, 165.672** is the 20% darker color. If you saturate the color by 10%, you get **62, 46.004, 170.513**, and if you desaturate by 10%, it is **62, 43.666, 172.635**.

Distribution



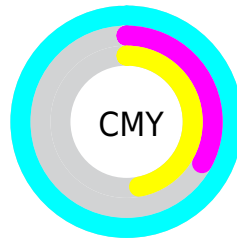
- Red (2%)
- Green (67%)
- Blue (53%)



- Red (2%)
- Yellow (38%)
- Blue (67%)



- Cyan (98%)
- Magenta (0%)
- Yellow (20%)
- Black (33%)





- Cyan (99%)
- Magenta (33%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 45.618, 170.875 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, 45.618, 170.875 by changing the saturation by 10% instead.


 62, 45.618,
170.875


 62, 45.618,
170.875


 100, 45.618,
170.875


 52, 45.618,
170.875


 82, 45.618,
170.875

 42, 45.618,
170.875

 92, 45.618,
170.875

 32, 45.618,
170.875

 22, 45.618,
170.875

 12, 45.618,
170.875

 2, 45.618, 170.875

 0, 45.618, 170.875

■ 62, 45.618,
170.875

■ 62, 45.618,
170.875

■ 62, 46.004,
170.513

■ 62, 43.666,
172.635

■ 62, 41.089,
174.250

■ 63, 37.779,
175.707

■ 63, 33.740,
177.023

■ 64, 29.021,
178.224

■ 65, 23.708,
179.329

■ 66, 17.902,
180.360

■ 67, 11.715,

181.336

■ 68, 5.249, 182.295

Harmonies

Complementary

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



62, 45.618, 170.875



35, 67.033, 27.736

Rectangle

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



62, 45.618, 170.875



62, 45.618, 220.875



62, 45.618, 350.875



62, 45.618, 40.875

Sweetspot

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



62, 45.618, 170.874



83, 22.834, 180.200



61, 85.697, 134.345



43, 15.489, 179.783



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, 45.618, 170.874



78, 55.967, 170.156



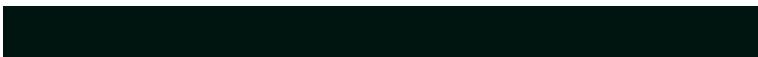
48, 34.715, 251.658



35, 3.722, 182.161



54, 41.475, 170.741



5, 7.080, 178.322

Inverse Universe

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



35, 67.033, 27.736



46, 83.165, 29.779



39, 68.700, 46.833



33, 3.857, 3.688



30, 61.186, 28.045



1, 6.806, 5.090

Previews

White Background



This preview shows how the CIE LCh color 62, 45.618, 170.875 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, 45.618, 170.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

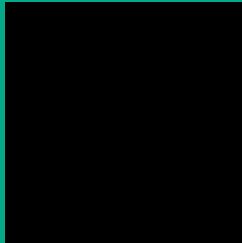
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 45.618, 170.875

Background



This preview shows how black text looks on a background with the CIELCh color 62, 45.618, 170.875.

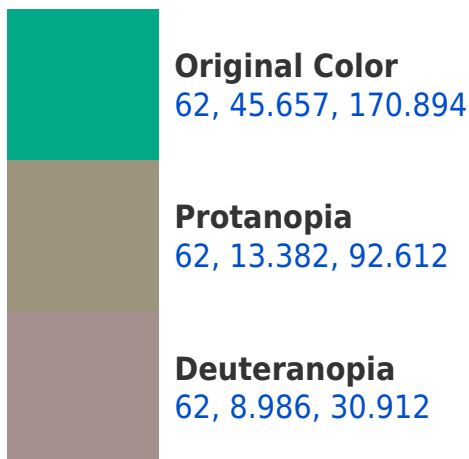


This preview shows how white text looks on a background with the CIELCh color 62, 45.618, 170.875.

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, 31.009, 210.743

Trichromacy



Original Color
62, 45.657, 170.894



Protanomaly
60, 25.720, 160.834



Deuteranomaly
60, 18.839, 172.772



Tritanomaly
62, 35.006, 192.744

Monochromacy



Original Color
62, 45.657, 170.894



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 23.119, 177.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 45.618, 170.875 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(4, 170, 136)` looks like.

```
.text, #text, p{  
    color:rgb(4, 170, 136)  
}
```

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(4, 170, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 170, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 45.618, 170.875 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(4, 170, 136) }
```

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

```
.border{ border-color:rgb(4, 170, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 170, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 170, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 170, 136);  
box-shadow:4px 4px 4px 4px rgb(4, 170,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 45.618, 170.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 170, 136) }
```

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

```
.background{ background-color: rgb(4, 170,  
136) }
```

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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