

Converting Colors

CIELCh(62, 50.492, 172.105)

Have a look what the booklet for
CIELCh(62, 50.492, 172.105)
contains.

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Color

CIELCh(62, 46.291, 170.490)

Conversions

Conversions Part 1

Format	Color
Hex	00AA87
RGB	0, 170, 135
RGB Percent	0%, 67%, 53%
CMY	1.0000, 0.3340, 0.4710
CMYK	1.00, 0.00, 0.21, 0.33
HSL	168°, 100%, 33%
HSV	168°, 100%, 67%
XYZ	18.6509, 30.4025, 27.7705
YIQ	115.1800, -90.0850, -46.9250

Conversions

Conversions Part 2

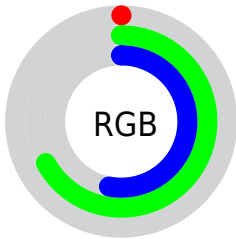
Format	Color
RYB	0, 95, 170
Decimal	43655
CIELab	62.00, -45.65, 7.65
CIElCh	62, 46.291, 170.490
Yxy	30.4025, 0.2428, 0.3957
Android (android.graphics.Color)	4278233735 (0xFF00AA87)
YUV	115.1800, 9.7713, -101.0129
Hunter-Lab	55.1385, -36.1137, 8.7356

Details

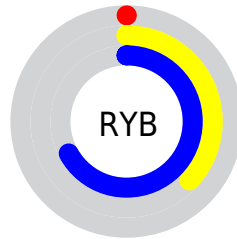
The CIELCh color **62, 46.291, 170.490** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 68.067, 28.648**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **82, 46.056, 170.307**, and **43, 37.892, 164.951** is the 20% darker color. If you saturate the color by 10%, you get **62, 46.109, 170.401**, and if you desaturate by 10%, it is **62, 44.211, 172.170**.

Distribution



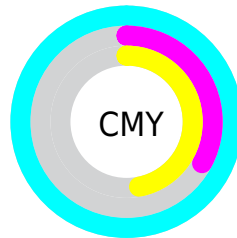
- Red (0%)
- Green (67%)
- Blue (53%)



- Red (0%)
- Yellow (37%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 46.291, 170.490 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, 46.291, 170.490 by changing the saturation by 10% instead.


 62, 46.291,
170.490


 62, 46.291,
170.490


 100, 46.291,
170.490


 52, 46.291,
170.490


 82, 46.291,
170.490

 42, 46.291,
170.490

 92, 46.291,
170.490

 32, 46.291,
170.490

 22, 46.291,
170.490

 12, 46.291,
170.490

 2, 46.291, 170.490

 0, 46.291, 170.490

■ 62, 46.291,
170.490

■ 62, 46.291,
170.490

■ 62, 46.109,
170.401

■ 62, 44.211,
172.170

■ 62, 41.770,
173.825

■ 63, 38.604,
175.317

■ 63, 34.703,
176.665

■ 64, 30.109,
177.890

■ 65, 24.900,
179.016

■ 66, 19.177,
180.063

■ 67, 13.049,

181.050

■ 68, 6.623, 182.006

Harmonies

Complementary

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



62, 46.291, 170.490



35, 68.067, 28.648

Rectangle

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



62, 46.291, 170.490



62, 46.291, 220.490



62, 46.291, 350.490



62, 46.291, 40.490

Sweetspot

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



62, 46.109, 170.401



84, 23.802, 180.008



61, 86.425, 134.384



44, 16.203, 179.586



95, 0.011, 296.813



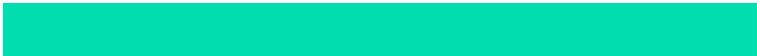
47, 0.006, 296.813

Same Dimension

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



62, 46.109, 170.401



79, 56.547, 170.030



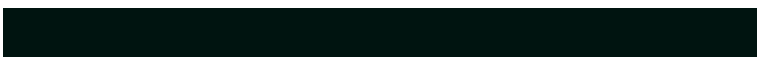
48, 35.126, 252.603



35, 3.724, 182.076



54, 41.532, 170.631



5, 7.085, 178.228

Inverse Universe

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



35, 68.067, 28.648



47, 83.860, 29.737



39, 70.182, 46.852



33, 3.858, 3.605



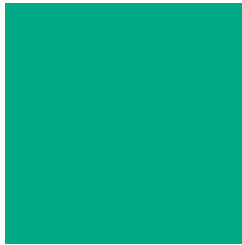
30, 61.143, 27.960



1, 6.808, 5.016

Previews

White Background



This preview shows how the CIELCh color 62, 46.291, 170.490 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, 46.291, 170.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

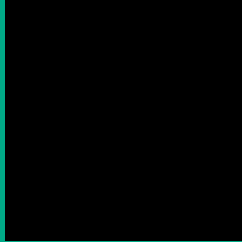
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 46.291, 170.490

Background



This preview shows how black text looks on a background with the CIELCh color 62, 46.291, 170.490.

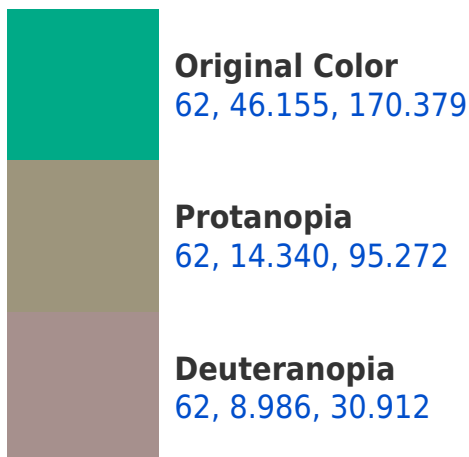


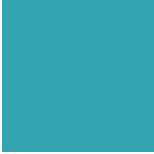
This preview shows how white text looks on a background with the CIELCh color 62, 46.291, 170.490.

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, 30.873, 210.814

Trichromacy



Original Color
62, 46.155, 170.379



Protanomaly
60, 26.979, 159.784



Deuteranomaly
60, 19.140, 173.152



Tritanomaly
62, 35.104, 192.746

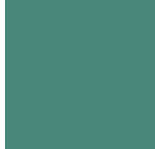
Monochromacy



Original Color
62, 46.155, 170.379



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 23.394, 178.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 46.291, 170.490 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, 170, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 135)  
}
```

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, 170, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 46.291, 170.490 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, 170, 135) }
```

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

```
.border{ border-color:rgb(0, 170, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 46.291, 170.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 135) }
```

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

```
.background{ background-color: rgb(0, 170,  
135) }
```

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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