

Converting Colors

CIELCh(62, 45.027, 171.765)

Have a look what the booklet for
CIELCh(62, 45.027, 171.765)
contains.

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Color

CIELCh(62, 45.278, 171.475)

Conversions

Conversions Part 1

Format	Color
Hex	03AA89
RGB	3, 170, 137
RGB Percent	1%, 67%, 54%
CMY	0.9872, 0.3350, 0.4643
CMYK	0.98, 0.00, 0.19, 0.34
HSL	168°, 96%, 34%
HSV	168°, 98%, 66%
XYZ	18.8203, 30.4025, 28.3899
YIQ	116.3050, -88.9390, -45.6670

Conversions

Conversions Part 2

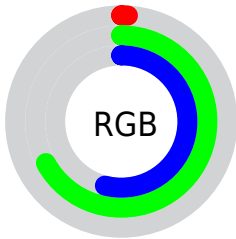
Format	Color
RYB	3, 96, 170
Decimal	240265
CIELab	62.00, -44.78, 6.71
CIELCh	62, 45.278, 171.475
Yxy	30.4025, 0.2425, 0.3917
Android (android.graphics.Color)	4278430345 (0xFF03AA89)
YUV	116.3050, 10.2026, -99.3685
Hunter-Lab	55.1385, -35.5652, 8.0695

Details

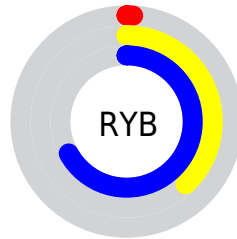
The CIELCh color **62, 45.278, 171.475** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 67.350, 28.293**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 45.439, 171.438**, and **43, 37.104, 166.407** is the 20% darker color. If you saturate the color by 10%, you get **62, 45.626, 171.145**, and if you desaturate by 10%, it is **62, 43.380, 173.208**.

Distribution



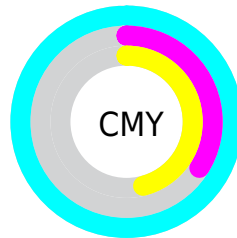
- Red (1%)
- Green (67%)
- Blue (54%)



- Red (1%)
- Yellow (38%)
- Blue (67%)



- Cyan (98%)
- Magenta (0%)
- Yellow (19%)
- Black (34%)





- Cyan (99%)
- Magenta (34%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 45.278, 171.475 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, 45.278, 171.475 by changing the saturation by 10% instead.


 62, 45.278,
171.475


 62, 45.278,
171.475


 100, 45.278,
171.475


 52, 45.278,
171.475


 82, 45.278,
171.475

 42, 45.278,
171.475

 92, 45.278,
171.475

 32, 45.278,
171.475

 22, 45.278,
171.475

 12, 45.278,
171.475

 2, 45.278, 171.475

 0, 45.278, 171.475

■ 62, 45.278,
171.475

■ 62, 45.278,
171.475

■ 62, 45.626,
171.145

■ 62, 43.380,
173.208

■ 62, 40.861,
174.801

■ 63, 37.609,
176.237

■ 63, 33.624,
177.537

■ 64, 28.956,
178.723

■ 65, 23.689,
179.818

■ 66, 17.924,
180.840

■ 67, 11.771,

181.809

■ 68, 5.334, 182.761

Harmonies

Complementary

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



62, 45.278, 171.475



35, 67.350, 28.293

Rectangle

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



62, 45.278, 171.475



62, 45.278, 221.475



62, 45.278, 351.475



62, 45.278, 41.475

Sweetspot

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



62, 45.278, 171.474



83, 22.750, 180.697



61, 85.966, 134.570



43, 15.429, 180.283



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, 45.278, 171.474



78, 55.516, 170.793



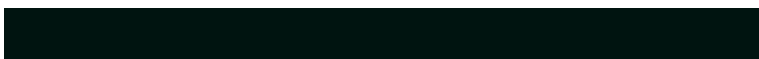
47, 35.567, 254.877



35, 3.711, 182.643



55, 41.150, 171.368



5, 7.054, 178.861

Inverse Universe

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



35, 67.350, 28.293



46, 83.514, 30.246



40, 68.181, 47.658



33, 3.848, 4.163



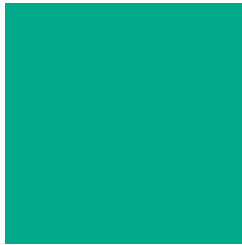
30, 61.427, 28.526



1, 6.793, 5.510

Previews

White Background



This preview shows how the CIELCh color 62, 45.278, 171.475 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, 45.278, 171.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

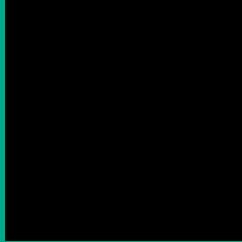
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 45.278, 171.475

Background



This preview shows how black text looks on a background with the CIELCh color 62, 45.278, 171.475.

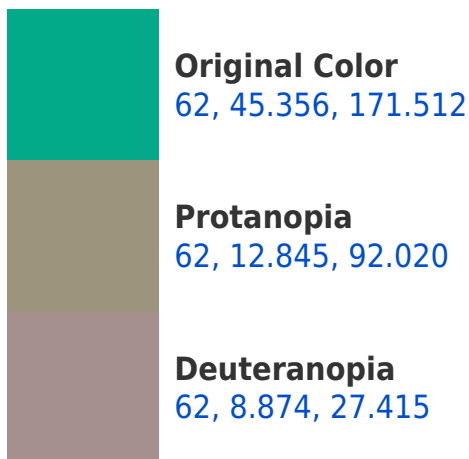


This preview shows how white text looks on a background with the CIELCh color 62, 45.278, 171.475.

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, 45.356, 171.512



Protanomaly
60, 25.347, 161.805



Deuteranomaly
60, 18.556, 174.303



Tritanomaly
62, 35.006, 192.744

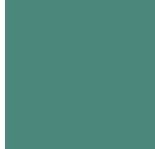
Monochromacy



Original Color
62, 45.356, 171.512



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 22.593, 179.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 45.278, 171.475 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(3, 170, 137)` looks like.

```
.text, #text, p{  
    color:rgb(3, 170, 137)  
}
```

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(3, 170, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 170, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 45.278, 171.475 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(3, 170, 137) }
```

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

```
.border{ border-color:rgb(3, 170, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 170, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 170, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 170, 137);  
box-shadow:4px 4px 4px 4px rgb(3, 170,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 45.278, 171.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 170, 137) }
```

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

```
.background{ background-color: rgb(3, 170,  
137) }
```

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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