

Converting Colors

CIELCh(62, 44.772, 172.699)

Have a look what the booklet for
CIELCh(62, 44.772, 172.699)
contains.

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Color

CIELCh(62, 44.666, 172.683)

Conversions

Conversions Part 1

Format	Color
Hex	02A98A
RGB	2, 169, 138
RGB Percent	1%, 66%, 54%
CMY	0.9929, 0.3355, 0.4572
CMYK	0.99, 0.00, 0.18, 0.34
HSL	169°, 98%, 34%
HSV	169°, 99%, 66%
XYZ	18.9126, 30.4025, 29.0776
YIQ	115.5330, -89.5810, -45.0450

Conversions

Conversions Part 2

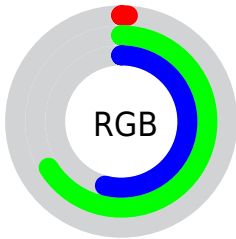
Format	Color
RYB	2, 94, 169
Decimal	174474
CIELab	62.00, -44.30, 5.69
CIELCh	62, 44.666, 172.683
Yxy	30.4025, 0.2413, 0.3878
Android (android.graphics.Color)	4278364554 (0xFF02A98A)
YUV	115.5330, 11.0762, -99.5684
Hunter-Lab	55.1385, -35.2665, 7.3300

Details

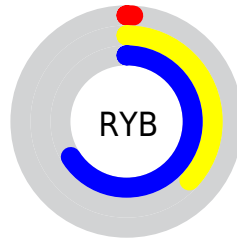
The CIELCh color **62, 44.666, 172.683** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 68.311, 29.684**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 44.649, 172.475**, and **43, 36.190, 167.757** is the 20% darker color. If you saturate the color by 10%, you get **62, 44.849, 172.506**, and if you desaturate by 10%, it is **62, 42.897, 174.357**.

Distribution



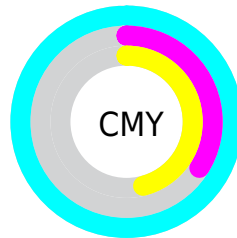
- Red (1%)
- Green (66%)
- Blue (54%)



- Red (1%)
- Yellow (37%)
- Blue (66%)



- Cyan (99%)
- Magenta (0%)
- Yellow (18%)
- Black (34%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 44.666, 172.683 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, 44.666, 172.683 by changing the saturation by 10% instead.

 62, 44.666,
172.683

 62, 44.666,
172.683

 100, 44.666,
172.683

 52, 44.666,
172.683


 82, 44.666,
172.683

 42, 44.666,
172.683

 92, 44.666,
172.683

 32, 44.666,
172.683

 22, 44.666,
172.683

 12, 44.666,
172.683

 2, 44.666, 172.683

 0, 44.666, 172.683

■ 62, 44.666,
172.683

■ 62, 44.666,
172.683

■ 62, 44.849,
172.506

■ 62, 42.897,
174.357

■ 62, 40.536,
175.906

■ 63, 37.442,
177.304

■ 63, 33.609,
178.572

■ 64, 29.082,
179.732

■ 65, 23.940,
180.805

■ 66, 18.283,
181.810

■ 67, 12.219,

182.764

■ 68, 5.853, 183.701

Harmonies

Complementary

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



62, 44.666, 172.683



35, 68.311, 29.684

Rectangle

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



62, 44.666, 172.683



62, 44.666, 222.683



62, 44.666, 352.683



62, 44.666, 42.683

Sweetspot

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



62, 44.666, 172.682



83, 23.297, 181.652



61, 86.185, 134.581



43, 15.702, 181.251



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, 44.666, 172.682



78, 54.582, 172.165



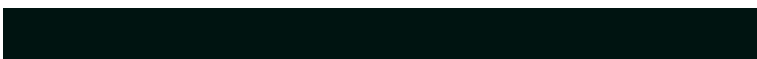
47, 35.723, 255.268



35, 3.689, 183.667



55, 40.479, 172.719



5, 7.000, 180.017

Inverse Universe

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



35, 68.311, 29.684



46, 84.257, 31.202



40, 68.713, 47.642



33, 3.831, 5.169



30, 61.946, 29.515



1, 6.766, 6.400

Previews

White Background



This preview shows how the CIELCh color 62, 44.666, 172.683 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, 44.666, 172.683 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, 44.666, 172.683

Background



This preview shows how black text looks on a background with the CIELCh color 62, 44.666, 172.683.

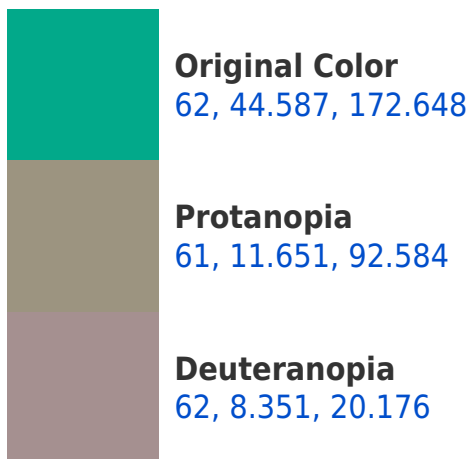


This preview shows how white text looks on a background with the CIELCh color 62, 44.666, 172.683.

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, 31.141, 210.673

Trichromacy



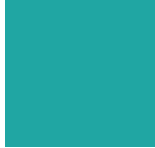
Original Color
62, 44.587, 172.648



Protanomaly
60, 24.892, 164.204



Deuteranomaly
60, 18.334, 177.818



Tritanomaly
62, 35.026, 193.680

Monochromacy



Original Color
62, 44.587, 172.648



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 22.607, 180.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 44.666, 172.683 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(2, 169, 138)` looks like.

```
.text, #text, p{  
    color:rgb(2, 169, 138)  
}
```

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(2, 169, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 169, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 44.666, 172.683 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(2, 169, 138) }
```

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

```
.border{ border-color:rgb(2, 169, 138) }
```

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

Here you see how a box with a 4 pixel rgb(2, 169, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 169, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 169, 138);  
box-shadow:4px 4px 4px 4px rgb(2, 169,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 44.666, 172.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 169, 138) }
```

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

```
.background{ background-color: rgb(2, 169,  
138) }
```

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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