

Converting Colors

CIELCh(62, 60.211, 183.637)

Have a look what the booklet for
CIELCh(62, 60.211, 183.637)
contains.

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Color

CIELCh(64, 42.167, 180.530)

Conversions

Conversions Part 1

Format	Color
Hex	00AF9B
RGB	0, 175, 155
RGB Percent	0%, 69%, 61%
CMY	1.0000, 0.3157, 0.3940
CMYK	1.00, 0.00, 0.11, 0.32
HSL	173°, 100%, 34%
HSV	173°, 100%, 68%
XYZ	21.0816, 32.8017, 36.0193
YIQ	120.3950, -97.8800, -43.3200

Conversions

Conversions Part 2

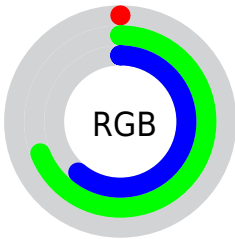
Format	Color
RYB	0, 93, 175
Decimal	44955
CIELab	64.00, -42.17, -0.39
CIELCh	64, 42.167, 180.530
Yxy	32.8017, 0.2345, 0.3649
Android (android.graphics.Color)	4278235035 (0xFF00AF9B)
YUV	120.3950, 17.0603, -105.5864
Hunter-Lab	57.2727, -34.5230, 2.8030

Details

The CIELCh color **64, 42.167, 180.530** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **36, 73.788, 34.869**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 42.180, 180.513**, and **45, 33.050, 177.913** is the 20% darker color. If you saturate the color by 10%, you get **64, 42.087, 180.506**, and if you desaturate by 10%, it is **64, 40.834, 181.748**.

Distribution



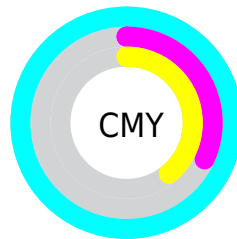
- Red (0%)
- Green (69%)
- Blue (61%)



- Red (0%)
- Yellow (36%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 42.167, 180.530 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 64, 42.167, 180.530 by changing the saturation by 10% instead.


 64, 42.167,
180.530


 64, 42.167,
180.530


 100, 42.167,
180.530


 54, 42.167,
180.530


 84, 42.167,
180.530

 44, 42.167,
180.530

 94, 42.167,
180.530

 34, 42.167,
180.530

 24, 42.167,
180.530

 14, 42.167,
180.530

 4, 42.167, 180.530

 0, 42.167, 180.530

■ 64, 42.167,
180.530

■ 64, 42.167,
180.530

■ 64, 42.087,
180.506

■ 64, 40.834,
181.748

■ 64, 39.004,
182.911

■ 65, 36.409,
183.975

■ 65, 33.030,
184.958

■ 66, 28.898,
185.881

■ 67, 24.082,
186.758

■ 68, 18.678,
187.605

■ 69, 12.792,

188.432

■ 70, 6.532, 189.265

Harmonies

Complementary

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



64, 42.167, 180.530



36, 73.788, 34.869

Rectangle

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



64, 42.167, 180.530



64, 42.167, 230.530



64, 42.167, 0.530



64, 42.167, 50.530

Sweetspot

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



64, 42.087, 180.506



86, 23.092, 187.561



62, 89.386, 135.415



45, 15.674, 187.214



96, 0.011, 296.813



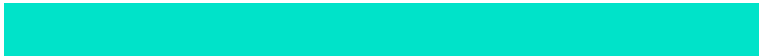
48, 0.006, 296.813

Same Dimension

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



64, 42.087, 180.506



81, 51.337, 180.259



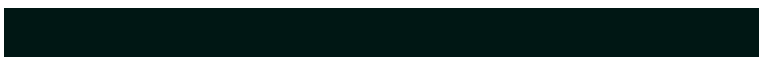
44, 42.743, 269.747



36, 3.683, 189.325



56, 37.675, 180.672



6, 8.039, 186.191

Inverse Universe

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



36, 73.788, 34.869



47, 90.657, 35.703



43, 67.864, 52.221



34, 3.855, 10.684



31, 65.720, 34.272



2, 7.887, 11.684

Previews

White Background



This preview shows how the CIELCh color 64, 42.167, 180.530 looks on a white background.

Color Contrast Check

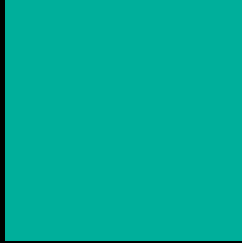
Large Text (above 18pt) WCAG AA × Fail

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 64, 42.167, 180.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

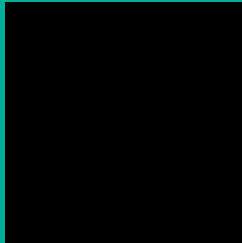
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 42.167, 180.530

Background



This preview shows how black text looks on a background with the CIELCh color 64, 42.167, 180.530.

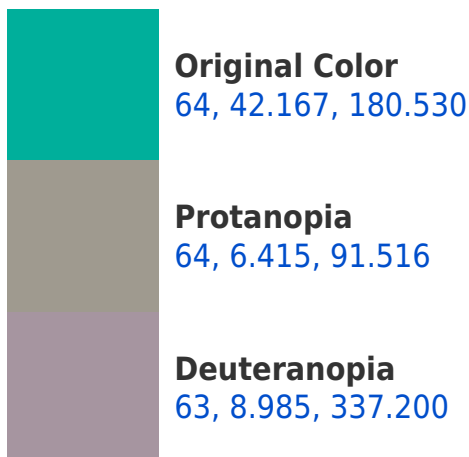



This preview shows how white text looks on a background with the CIELCh color 64, 42.167, 180.530.

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
64, 32.729, 210.880

Trichromacy



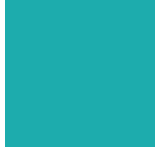
Original Color
64, 42.167, 180.530



Protanomaly
62, 22.813, 177.157



Deuteranomaly
62, 18.006, 197.830



Tritanomaly
64, 35.721, 197.422

Monochromacy



Original Color
64, 42.167, 180.530



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 22.493, 186.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 42.167, 180.530 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, 175, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 155)  
}
```

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, 175, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 42.167, 180.530 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, 175, 155) }
```

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

```
.border{ border-color:rgb(0, 175, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 42.167, 180.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 155) }
```

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

```
.background{ background-color: rgb(0, 175,  
155) }
```

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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