

Converting Colors

CIELCh(63, 44.617, 174.408)

Have a look what the booklet for
CIELCh(63, 44.617, 174.408)
contains.

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Color

CIELCh(63, 44.433, 174.244)

Conversions

Conversions Part 1

Format	Color
Hex	01AC8F
RGB	1, 172, 143
RGB Percent	0%, 67%, 56%
CMY	0.9963, 0.3246, 0.4384
CMYK	0.99, 0.00, 0.17, 0.32
HSL	170°, 99%, 34%
HSV	170°, 99%, 68%
XYZ	19.7815, 31.5869, 31.1263
YIQ	117.5650, -92.6070, -45.2710

Conversions

Conversions Part 2

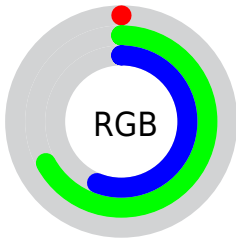
Format	Color
RYB	1, 94, 172
Decimal	109711
CIELab	63.00, -44.21, 4.46
CIELCh	63, 44.433, 174.244
Yxy	31.5869, 0.2398, 0.3829
Android (android.graphics.Color)	4278299791 (0xFF01AC8F)
YUV	117.5650, 12.5395, -102.2275
Hunter-Lab	56.2022, -35.5272, 6.5052

Details

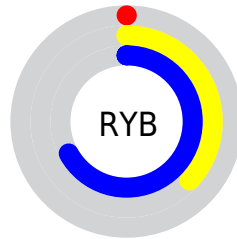
The CIELCh color **63, 44.433, 174.244** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **36, 70.172, 31.118**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 44.161, 174.541**, and **44, 35.860, 169.816** is the 20% darker color. If you saturate the color by 10%, you get **63, 44.522, 174.156**, and if you desaturate by 10%, it is **63, 42.784, 175.842**.

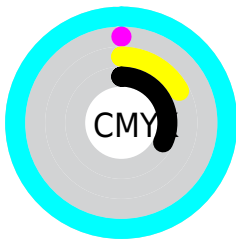
Distribution



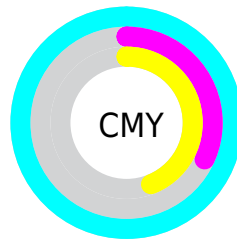
- Red (0%)
- Green (67%)
- Blue (56%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (17%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 44.433, 174.244 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 63, 44.433, 174.244 by changing the saturation by 10% instead.

 63, 44.433,
174.244

 63, 44.433,
174.244


 100, 44.433,
174.244

 53, 44.433,
174.244


 83, 44.433,
174.244

 43, 44.433,
174.244

 93, 44.433,
174.244

 33, 44.433,
174.244

 23, 44.433,
174.244

 13, 44.433,
174.244

 3, 44.433, 174.244

 0, 44.433, 174.244

■ 63, 44.433,
174.244

■ 63, 44.433,
174.244

■ 63, 44.522,
174.156

■ 63, 42.784,
175.842

■ 63, 40.551,
177.327

■ 64, 37.573,
178.670

■ 64, 33.839,
179.891

■ 65, 29.388,
181.011

■ 66, 24.299,
182.052

■ 67, 18.671,
183.030

■ 68, 12.613,

183.964

■ 69, 6.232, 184.884

Harmonies

Complementary

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



63, 44.433, 174.244



36, 70.172, 31.118

Rectangle

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



63, 44.433, 174.244



63, 44.433, 224.244



63, 44.433, 354.244



63, 44.433, 44.244

Sweetspot

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



63, 44.433, 174.243



85, 23.524, 182.926



62, 87.630, 134.794



44, 15.850, 182.532



95, 0.011, 296.813



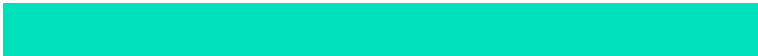
47, 0.006, 296.813

Same Dimension

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



63, 44.433, 174.243



80, 54.450, 173.829



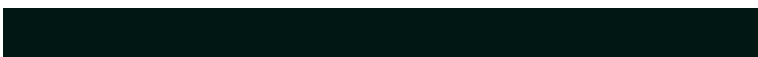
47, 37.267, 258.614



36, 3.757, 184.896



56, 40.214, 174.355



6, 8.274, 180.703

Inverse Universe

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



36, 70.172, 31.118



47, 86.704, 32.365



40, 69.314, 48.444



34, 3.908, 6.380



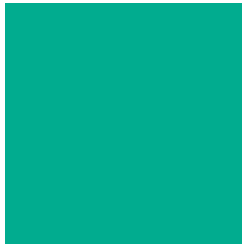
31, 63.417, 30.733



2, 7.978, 8.073

Previews

White Background



This preview shows how the CIELCh color 63, 44.433, 174.244 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 63, 44.433, 174.244 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 63, 44.433, 174.244

Background



This preview shows how black text looks on a background with the CIELCh color 63, 44.433, 174.244.

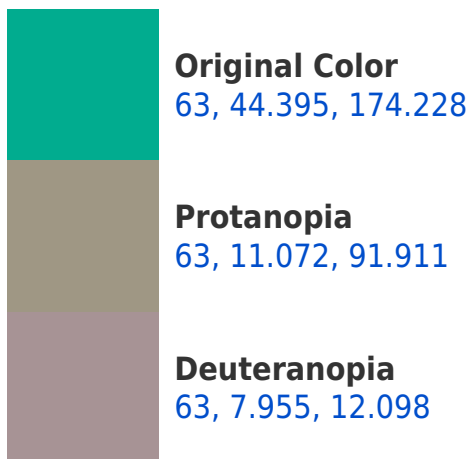


This preview shows how white text looks on a background with the CIELCh color 63, 44.433, 174.244.

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
63, 31.698, 211.441

Trichromacy



Original Color
63, 44.395, 174.228



Protanomaly
61, 24.750, 165.682



Deuteranomaly
61, 18.438, 181.700



Tritanomaly
63, 35.390, 194.650

Monochromacy



Original Color
63, 44.395, 174.228



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 23.121, 181.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 44.433, 174.244 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(1, 172, 143)` looks like.

```
.text, #text, p{  
    color:rgb(1, 172, 143)  
}
```

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(1, 172, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 172, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 44.433, 174.244 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(1, 172, 143) }
```

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

```
.border{ border-color:rgb(1, 172, 143) }
```

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

Here you see how a box with a 4 pixel rgb(1, 172, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 172, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 172, 143);  
box-shadow:4px 4px 4px 4px rgb(1, 172,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 44.433, 174.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 172, 143) }
```

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

```
.background{ background-color: rgb(1, 172,  
143) }
```

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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