

Converting Colors

CIELCh(60, 42.583, 174.652)

Have a look what the booklet for
CIELCh(60, 42.583, 174.652)
contains.

CIELCh(60, 42.512, 174.642)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(60, 42.512, 174.642)

Conversions

Conversions Part 1

Format	Color
Hex	01A388
RGB	1, 163, 136
RGB Percent	0%, 64%, 53%
CMY	0.9943, 0.3593, 0.4653
CMYK	0.99, 0.00, 0.17, 0.36
HSL	170°, 98%, 32%
HSV	170°, 99%, 64%
XYZ	17.6502, 28.1233, 27.9219
YIQ	111.4840, -87.8850, -42.7410

Conversions

Conversions Part 2

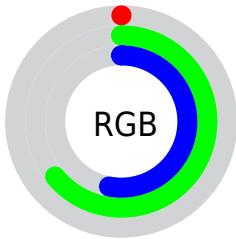
Format	Color
RYB	1, 89, 163
Decimal	107400
CIELab	60.00, -42.33, 3.97
CIElCh	60, 42.512, 174.642
Yxy	28.1233, 0.2395, 0.3816
Android (android.graphics.Color)	4278297480 (0xFF01A388)
YUV	111.4840, 12.0864, -96.8945
Hunter-Lab	53.0314, -33.3956, 5.9048

Details

The CIELCh color **60, 42.512, 174.642** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **34, 67.271, 30.912**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **80, 42.699, 174.358**, and **41, 33.815, 170.023** is the 20% darker color. If you saturate the color by 10%, you get **60, 42.651, 174.504**, and if you desaturate by 10%, it is **60, 40.907, 176.209**.

Distribution



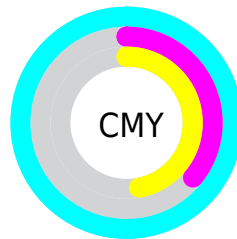
- Red (0%)
- Green (64%)
- Blue (53%)



- Red (0%)
- Yellow (35%)
- Blue (64%)



- Cyan (99%)
- Magenta (0%)
- Yellow (17%)
- Black (36%)





- Cyan (99%)
- Magenta (36%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 42.512, 174.642 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 60, 42.512, 174.642 by changing the saturation by 10% instead.


 60, 42.512,
174.642


 60, 42.512,
174.642


 100, 42.512,
174.642


 50, 42.512,
174.642


 80, 42.512,
174.642


 40, 42.512,
174.642

 90, 42.512,
174.642

 30, 42.512,
174.642

 20, 42.512,
174.642

 10, 42.512,
174.642

 0, 42.512, 174.642

 60, 42.512,

 60, 42.512,

174.642

174.642

■ 60, 42.651,
174.504

■ 60, 40.907,
176.209

■ 60, 38.739,
177.666

■ 61, 35.856,
178.984

■ 61, 32.252,
180.183

■ 62, 27.967,
181.286

■ 63, 23.077,
182.312

■ 64, 17.676,
183.280

■ 65, 11.867,
184.204

Harmonies

Complementary

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



60, 42.512, 174.642



34, 67.271, 30.912

Rectangle

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



60, 42.512, 174.642



60, 42.512, 224.642



60, 42.512, 354.642



60, 42.512, 44.642

Sweetspot

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



60, 42.512, 174.641



80, 22.409, 183.143



59, 84.129, 134.759



42, 15.240, 182.758



93, 0.011, 296.813



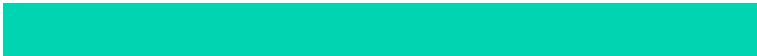
45, 0.006, 296.813

Same Dimension

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



60, 42.512, 174.641



76, 51.904, 174.171



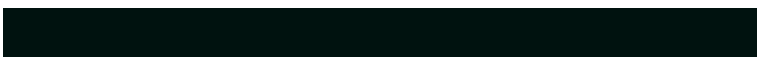
45, 35.689, 258.232



34, 3.569, 185.103



54, 39.069, 174.681



4, 5.733, 182.517

Inverse Universe

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



34, 67.271, 30.912



44, 82.950, 32.336



38, 66.323, 48.582



32, 3.713, 6.565



30, 61.840, 30.735



1, 5.610, 7.041

Previews

White Background



This preview shows how the CIELCh color 60, 42.512, 174.642 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 42.512, 174.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

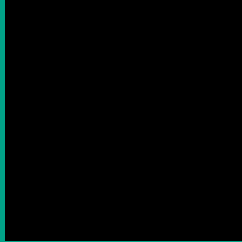
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 42.512, 174.642

Background



This preview shows how black text looks on a background with the CIELCh color 60, 42.512, 174.642.

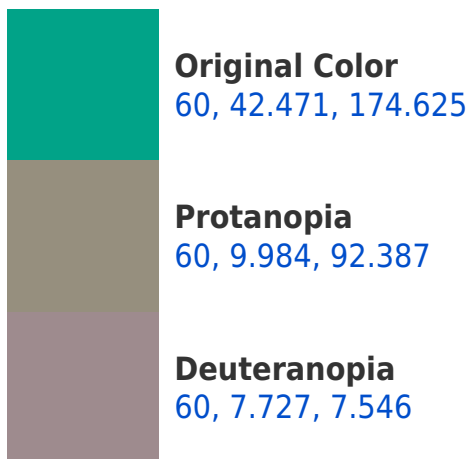


This preview shows how white text looks on a background with the CIELCh color 60, 42.512, 174.642.

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
60, 30.407, 211.110

Trichromacy



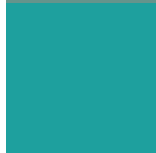
Original Color
60, 42.471, 174.625



Protanomaly
58, 23.091, 167.729



Deuteranomaly
58, 17.712, 182.779

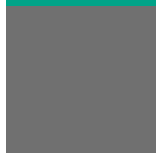


Tritanomaly
60, 33.982, 194.555

Monochromacy



Original Color
60, 42.471, 174.625



Achromatopsia
47, 0.006, 296.813



Achromatomaly
51, 21.848, 181.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 42.512, 174.642 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, 163, 136)` looks like.

```
.text, #text, p{  
    color:rgb(1, 163, 136)  
}
```

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, 163, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 163, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 42.512, 174.642 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, 163, 136) }
```

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

```
.border{ border-color:rgb(1, 163, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 163, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 163, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 163, 136);  
box-shadow:4px 4px 4px 4px rgb(1, 163,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 42.512, 174.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 163, 136) }
```

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

```
.background{ background-color: rgb(1, 163,  
136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor