

Converting Colors

CIElCh(54, 84.199, 181.372)

Have a look what the booklet for
CIELCh(54, 84.199, 181.372)
contains.

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Color

CIELCh(58, 42.268, 173.550)

Conversions

Conversions Part 1

Format	Color
Hex	009E82
RGB	0, 158, 130
RGB Percent	0%, 62%, 51%
CMY	1.0000, 0.3812, 0.4908
CMYK	1.00, 0.00, 0.18, 0.38
HSL	169°, 100%, 31%
HSV	169°, 100%, 62%
XYZ	16.1549, 25.9610, 25.2271
YIQ	107.5660, -85.1800, -42.2040

Conversions

Conversions Part 2

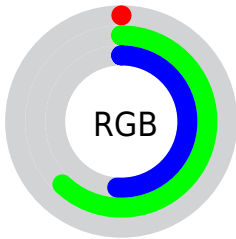
Format	Color
RYB	0, 87, 158
Decimal	40578
CIELab	58.00, -42.00, 4.75
CIELCh	58, 42.268, 173.550
Yxy	25.9610, 0.2399, 0.3855
Android (android.graphics.Color)	4278230658 (0xFF009E82)
YUV	107.5660, 11.0600, -94.3354
Hunter-Lab	50.9519, -32.5705, 6.3109

Details

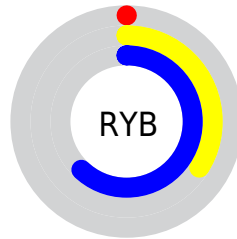
The CIELCh color **58, 42.268, 173.550** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **33, 65.485, 30.423**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 41.911, 173.797**, and **39, 33.088, 169.164** is the 20% darker color. If you saturate the color by 10%, you get **58, 42.075, 173.461**, and if you desaturate by 10%, it is **58, 40.442, 175.071**.

Distribution



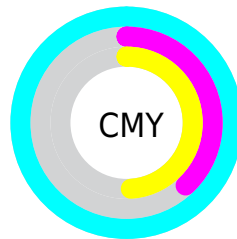
- Red (0%)
- Green (62%)
- Blue (51%)



- Red (0%)
- Yellow (34%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 42.268, 173.550 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 58, 42.268, 173.550 by changing the saturation by 10% instead.


 58, 42.268,
173.550


 58, 42.268,
173.550


 100, 42.268,
173.550


 48, 42.268,
173.550


 78, 42.268,
173.550

 38, 42.268,
173.550

 88, 42.268,
173.550

 28, 42.268,
173.550

 98, 42.268,
173.550

 18, 42.268,
173.550

 8, 42.268, 173.550

 0, 42.268, 173.550

■ 58, 42.268,
173.550

■ 58, 42.268,
173.550

■ 58, 42.075,
173.461

■ 58, 40.442,
175.071

■ 58, 38.310,
176.583

■ 59, 35.490,
177.950

■ 59, 31.973,
179.192

■ 60, 27.797,
180.329

■ 61, 23.032,
181.383

■ 62, 17.771,
182.372

■ 63, 12.113,

183.313

■ 64, 6.158, 184.234

Harmonies

Complementary

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



58, 42.268, 173.550



33, 65.485, 30.423

Rectangle

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



58, 42.268, 173.550



58, 42.268, 223.550



58, 42.268, 353.550



58, 42.268, 43.550

Sweetspot

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



58, 42.075, 173.461



78, 21.875, 182.318



57, 82.240, 134.734



40, 14.735, 181.938



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



58, 42.075, 173.461



74, 51.119, 173.108



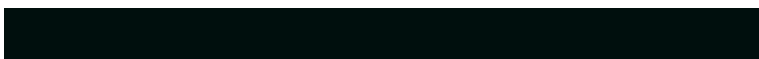
43, 34.934, 258.483



33, 3.491, 184.305



53, 39.039, 173.621



3, 4.689, 182.689

Inverse Universe

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



33, 65.485, 30.423



43, 80.041, 31.509



37, 65.168, 48.674



31, 3.627, 5.777



29, 60.595, 29.917



1, 4.618, 5.724

Previews

White Background



This preview shows how the CIELCh color 58, 42.268, 173.550 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 58, 42.268, 173.550 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 58, 42.268, 173.550

Background



This preview shows how black text looks on a background with the CIELCh color 58, 42.268, 173.550.

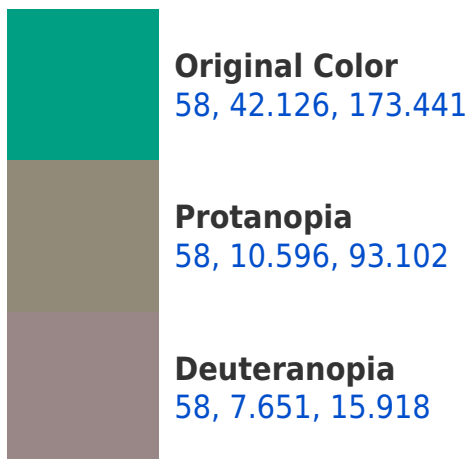



This preview shows how white text looks on a background with the CIELCh color 58, 42.268, 173.550.

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
58, 29.599, 210.440

Trichromacy



Original Color
58, 42.126, 173.441



Protanomaly
56, 23.256, 166.074



Deuteranomaly
56, 17.925, 178.970



Tritanomaly
58, 33.352, 193.498

Monochromacy



Original Color
58, 42.126, 173.441



Achromatopsia
45, 0.006, 296.813



Achromatomaly
48, 21.345, 181.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 42.268, 173.550 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, 158, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 130)  
}
```

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, 158, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 42.268, 173.550 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, 158, 130) }
```

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

```
.border{ border-color:rgb(0, 158, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 42.268, 173.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 130) }
```

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

```
.background{ background-color: rgb(0, 158,  
130) }
```

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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