

Converting Colors

CIELCh(56, 33.504, 198.752)

Have a look what the booklet for
CIELCh(56, 33.504, 198.752)
contains.

CIELCh(56, 33.440, 198.416)	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(56, 33.440, 198.416)

Conversions

Conversions Part 1

Format	Color
Hex	009698
RGB	0, 150, 152
RGB Percent	0%, 59%, 60%
CMY	1.0000, 0.4135, 0.4056
CMYK	1.00, 0.01, 0.00, 0.41
HSL	181°, 100%, 30%
HSV	181°, 100%, 59%
XYZ	16.4457, 23.9124, 33.2654
YIQ	105.3780, -90.0420, -31.1780

Conversions

Conversions Part 2

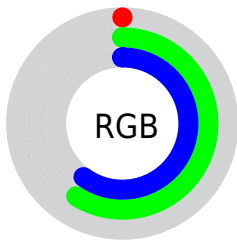
Format	Color
RYB	0, 75, 152
Decimal	38552
CIELab	56.00, -31.73, -10.56
CIELCh	56, 33.440, 198.416
Yxy	23.9124, 0.2234, 0.3248
Android (android.graphics.Color)	4278228632 (0xFF009698)
YUV	105.3780, 22.9846, -92.4165
Hunter-Lab	48.9003, -25.5440, -6.1030

Details

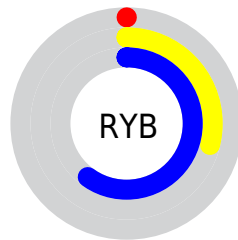
The CIELCh color **56, 33.440, 198.416** is a dark color, and the websafe version is hex **009999**, and the color name is **viridian green**. A complement of this color would be **31, 70.214, 39.682**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 33.552, 197.935**, and **37, 24.426, 200.888** is the 20% darker color. If you saturate the color by 10%, you get **56, 33.367, 198.425**, and if you desaturate by 10%, it is **56, 32.734, 198.314**.

Distribution



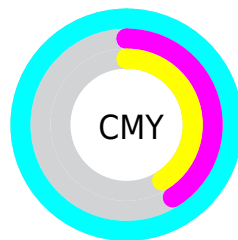
- Red (0%)
- Green (59%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 33.440, 198.416 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 56, 33.440, 198.416 by changing the saturation by 10% instead.


 56, 33.440,
198.416


 56, 33.440,
198.416


 100, 33.440,
198.416


 46, 33.440,
198.416


 76, 33.440,
198.416

 36, 33.440,
198.416

 86, 33.440,
198.416

 26, 33.440,
198.416

 96, 33.440,
198.416

 16, 33.440,
198.416

 6, 33.440, 198.416

 0, 33.440, 198.416

■ 56, 33.440,
198.416

■ 56, 33.440,
198.416

■ 56, 33.367,
198.425

■ 56, 32.734,
198.314

■ 56, 31.614,
198.263

■ 57, 29.811,
198.294

■ 57, 27.300,
198.410

■ 58, 24.097,
198.605

■ 59, 20.250,
198.877

■ 59, 15.831,
199.220

■ 60, 10.924,

199.628

■ 61, 5.618, 200.114

Harmonies

Complementary

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



56, 33.440, 198.416



31, 70.214, 39.682

Rectangle

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



56, 33.440, 198.416



56, 33.440, 248.416



56, 33.440, 18.416



56, 33.440, 68.416

Sweetspot

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



56, 33.367, 198.425



75, 19.506, 199.198



54, 81.238, 136.016



39, 13.209, 199.058



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



56, 33.367, 198.425



71, 40.396, 198.466



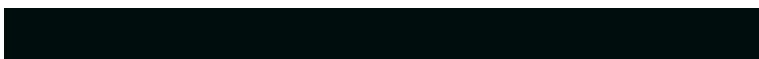
33, 48.240, 283.312



32, 3.206, 200.156



52, 31.535, 198.411



3, 3.541, 200.694

Inverse Universe

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



36, 77.588, 328.755



47, 93.948, 328.766



41, 57.638, 61.222



30, 5.887, 325.267



33, 73.324, 328.752



1, 6.321, 324.840

Previews

White Background



This preview shows how the CIE LCh color 56, 33.440, 198.416 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 56, 33.440, 198.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

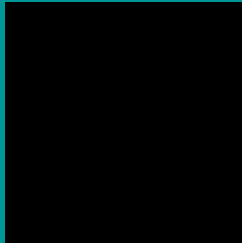
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 33.440, 198.416

Background



This preview shows how black text looks on a background with the CIELCh color 56, 33.440, 198.416.



This preview shows how white text looks on a background with the CIELCh color 56, 33.440, 198.416.

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



Original Color

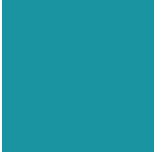
56, 33.440, 198.416

Protanopia

56, 4.610, 295.525

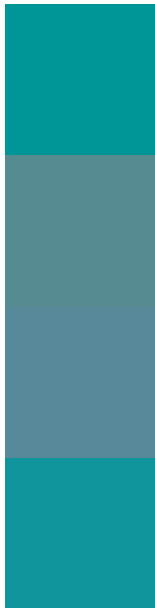
Deuteranopia

56, 15.134, 300.328



Tritanopia
56, 30.924, 209.779

Trichromacy



Original Color
56, 33.440, 198.416

Protanomaly
54, 18.488, 208.580

Deuteranomaly
54, 18.778, 229.762

Tritanomaly
56, 31.907, 204.984

Monochromacy



Original Color
56, 33.440, 198.416

Achromatopsia
44, 0.006, 296.813

Achromatomaly
47, 18.640, 199.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 33.440, 198.416 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, 150, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 152)  
}
```

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, 150, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 33.440, 198.416 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, 150, 152) }
```

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

```
.border{ border-color:rgb(0, 150, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 33.440, 198.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 152) }
```

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

```
.background{ background-color: rgb(0, 150,  
152) }
```

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