

Converting Colors

CIELCh(55, 38.192, 196.880)

Have a look what the booklet for
CIELCh(55, 38.192, 196.880)
contains.

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Color

CIELCh(56, 33.418, 197.403)

Conversions

Conversions Part 1

Format	Color
Hex	029697
RGB	2, 150, 151
RGB Percent	1%, 59%, 59%
CMY	0.9914, 0.4134, 0.4095
CMYK	0.99, 0.01, 0.00, 0.41
HSL	180°, 97%, 30%
HSV	180°, 99%, 59%
XYZ	16.4173, 23.9124, 32.8455
YIQ	105.8620, -88.5290, -31.0650

Conversions

Conversions Part 2

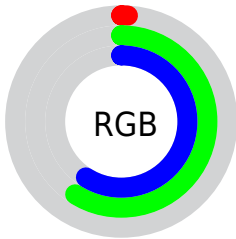
Format	Color
RYB	2, 76, 151
Decimal	169623
CIELab	56.00, -31.89, -10.00
CIELCh	56, 33.418, 197.403
Yxy	23.9124, 0.2244, 0.3268
Android (android.graphics.Color)	4278359703 (0xFF029697)
YUV	105.8620, 22.2530, -91.0870
Hunter-Lab	48.9003, -25.6479, -5.5939

Details

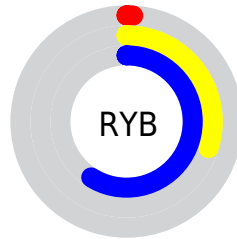
The CIELCh color **56, 33.418, 197.403** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **31, 69.195, 39.192**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 33.661, 196.991**, and **37, 24.558, 199.370** is the 20% darker color. If you saturate the color by 10%, you get **56, 33.510, 197.406**, and if you desaturate by 10%, it is **56, 32.721, 197.380**.

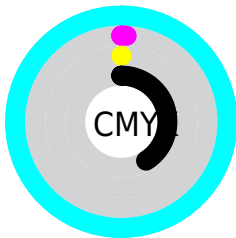
Distribution



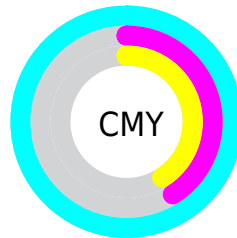
- Red (1%)
- Green (59%)
- Blue (59%)



- Red (1%)
- Yellow (30%)
- Blue (59%)



- Cyan (99%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)





- Cyan (99%)
- Magenta (41%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 33.418, 197.403 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, 33.418, 197.403 by changing the saturation by 10% instead.


 56, 33.418,
197.403


 56, 33.418,
197.403


 100, 33.418,
197.403


 46, 33.418,
197.403


 76, 33.418,
197.403

 36, 33.418,
197.403

 86, 33.418,
197.403

 26, 33.418,
197.403

 96, 33.418,
197.403

 16, 33.418,
197.403

 6, 33.418, 197.403

 0, 33.418, 197.403

■ 56, 33.418,
197.403

■ 56, 33.418,
197.403

■ 56, 33.510,
197.406

■ 56, 32.721,
197.380

■ 56, 31.483,
197.415

■ 57, 29.558,
197.521

■ 57, 26.929,
197.700

■ 58, 23.616,
197.950

■ 58, 19.670,
198.269

■ 59, 15.165,
198.652

■ 60, 10.185,

199.097

■ 61, 4.820, 199.622

Harmonies

Complementary

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



56, 33.418, 197.403



31, 69.195, 39.192

Rectangle

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



56, 33.418, 197.403



56, 33.418, 247.403



56, 33.418, 17.403



56, 33.418, 67.403

Sweetspot

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



56, 33.418, 197.402



75, 19.640, 198.568



54, 80.464, 136.090



39, 13.300, 198.417



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, 33.418, 197.402



72, 40.771, 197.427



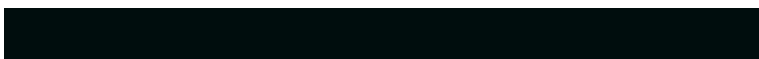
33, 47.266, 282.697



32, 3.227, 199.580



52, 31.820, 197.400



3, 3.568, 200.062

Inverse Universe

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



36, 77.298, 328.478



47, 94.432, 328.500



41, 56.630, 61.497



30, 5.913, 325.091



33, 73.692, 328.493



1, 6.353, 324.641

Previews

White Background



This preview shows how the CIE LCh color 56, 33.418, 197.403 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, 33.418, 197.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

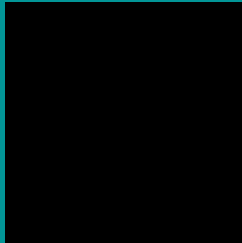
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 33.418, 197.403

Background



This preview shows how black text looks on a background with the CIELCh color 56, 33.418, 197.403.

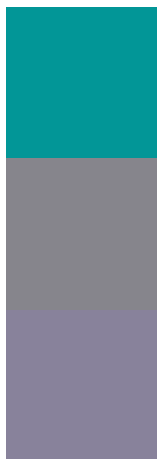


This preview shows how white text looks on a background with the CIELCh color 56, 33.418, 197.403.

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, 33.495, 197.407

Protanopia

56, 4.040, 296.153

Deuteranopia

56, 14.568, 300.619



Tritanopia
56, 30.844, 209.819

Trichromacy



Original Color

56, 33.495, 197.407



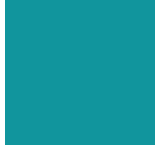
Protanomaly

55, 18.201, 206.903



Deuteranomaly

54, 18.566, 228.056



Tritanomaly

56, 31.849, 205.004

Monochromacy



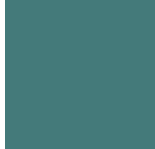
Original Color

56, 33.495, 197.407



Achromatopsia

45, 0.006, 296.813



Achromatomaly

48, 18.732, 197.429

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 33.418, 197.403 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(2, 150, 151)` looks like.

```
.text, #text, p{  
    color:rgb(2, 150, 151)  
}
```

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(2, 150, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 150, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 33.418, 197.403 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(2, 150, 151) }
```

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

```
.border{ border-color:rgb(2, 150, 151) }
```

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

Here you see how a box with a 4 pixel rgb(2, 150, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 150, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 150, 151);  
box-shadow:4px 4px 4px 4px rgb(2, 150,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 33.418, 197.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 150, 151) }
```

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

```
.background{ background-color: rgb(2, 150,  
151) }
```

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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