

Converting Colors

CIELCh(56, 38.080, 196.638)

Have a look what the booklet for
CIELCh(56, 38.080, 196.638)
contains.

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Color

CIELCh(56, 33.747, 197.391)

Conversions

Conversions Part 1

Format	Color
Hex	009697
RGB	0, 150, 151
RGB Percent	0%, 59%, 59%
CMY	1.0000, 0.4129, 0.4089
CMYK	1.00, 0.01, 0.00, 0.41
HSL	180°, 100%, 30%
HSV	180°, 100%, 59%
XYZ	16.3614, 23.9124, 32.9129
YIQ	105.2640, -89.7210, -31.4890

Conversions

Conversions Part 2

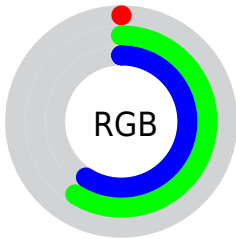
Format	Color
RYB	0, 75, 151
Decimal	38551
CIELab	56.00, -32.20, -10.09
CIElCh	56, 33.747, 197.391
Yxy	23.9124, 0.2236, 0.3267
Android (android.graphics.Color)	4278228631 (0xFF009697)
YUV	105.2640, 22.5478, -92.3165
Hunter-Lab	48.9003, -25.8518, -5.6756

Details

The CIELCh color **56, 33.747, 197.391** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **31, 69.991, 39.558**, and the grayscale version is **44, 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, 33.532, 197.414**, and if you desaturate by 10%, it is **56, 32.871, 197.388**.

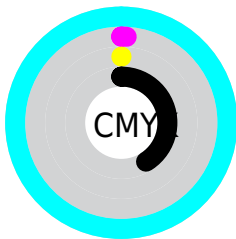
Distribution



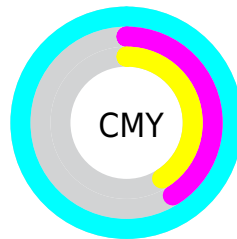
- Red (0%)
- Green (59%)
- Blue (59%)



- Red (0%)
- Yellow (29%)
- Blue (59%)



- 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, 33.747, 197.391 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, 33.747, 197.391 by changing the saturation by 10% instead.


 56, 33.747,
197.391


 56, 33.747,
197.391


 100, 33.747,
197.391


 46, 33.747,
197.391


 76, 33.747,
197.391

 36, 33.747,
197.391

 86, 33.747,
197.391

 26, 33.747,
197.391

 96, 33.747,
197.391

 16, 33.747,
197.391

 6, 33.747, 197.391

 0, 33.747, 197.391

■ 56, 33.747,
197.391

■ 56, 33.747,
197.391

■ 56, 33.532,
197.414

■ 56, 32.871,
197.388

■ 56, 31.728,
197.412

■ 57, 29.905,
197.507

■ 57, 27.377,
197.675

■ 58, 24.159,
197.915

■ 58, 20.299,
198.224

■ 59, 15.867,
198.597

■ 60, 10.948,

199.032

■ 61, 5.630, 199.541

Harmonies

Complementary

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



56, 33.747, 197.391



31, 69.991, 39.558

Rectangle

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



56, 33.747, 197.391



56, 33.747, 247.391



56, 33.747, 17.391



56, 33.747, 67.391

Sweetspot

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



56, 33.532, 197.414



75, 19.639, 198.573



54, 80.910, 136.016



39, 13.299, 198.422



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, 33.532, 197.414



72, 40.768, 197.435



32, 48.022, 283.288



32, 3.227, 199.585



52, 31.818, 197.408



3, 3.567, 200.067

Inverse Universe

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



35, 77.661, 328.497



47, 94.428, 328.502



41, 57.399, 61.242



30, 5.913, 325.093



33, 73.689, 328.495



1, 6.353, 324.643

Previews

White Background



This preview shows how the CIELCh color 56, 33.747, 197.391 looks on a white background.

Color Contrast Check

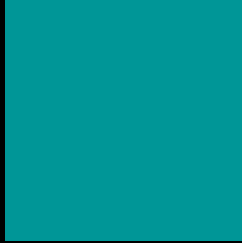
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.747, 197.391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

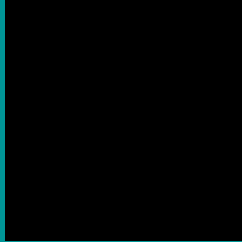
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 33.747, 197.391

Background



This preview shows how black text looks on a background with the CIELCh color 56, 33.747, 197.391.

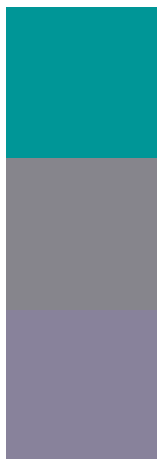


This preview shows how white text looks on a background with the CIELCh color 56, 33.747, 197.391.

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, 33.582, 197.397

Protanopia

56, 4.040, 296.153

Deuteranopia

56, 14.568, 300.619



Tritanopia
56, 30.844, 209.819

Trichromacy



Original Color
56, 33.582, 197.397



Protanomaly
54, 18.480, 206.739



Deuteranomaly
54, 18.566, 228.056



Tritanomaly
56, 31.849, 205.004

Monochromacy



Original Color
56, 33.582, 197.397



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, 33.747, 197.391 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 150, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 33.747, 197.391 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, 151) }
```

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

```
.border{ border-color:rgb(0, 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(0, 150, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 33.747, 197.391 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, 151) }
```

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

```
.background{ background-color: rgb(0, 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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