

Converting Colors

CIELCh(56, 38.456, 178.543)

Have a look what the booklet for
CIELCh(56, 38.456, 178.543)
contains.

CIELCh(56, 38.431, 178.463)	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, 38.431, 178.463)

Conversions

Conversions Part 1

Format	Color
Hex	049783
RGB	4, 151, 131
RGB Percent	2%, 59%, 51%
CMY	0.9835, 0.4066, 0.4850
CMYK	0.97, 0.00, 0.13, 0.41
HSL	172°, 95%, 30%
HSV	172°, 97%, 59%
XYZ	15.2893, 23.9124, 25.3933
YIQ	104.7670, -81.1920, -37.3840

Conversions

Conversions Part 2

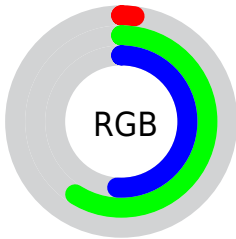
Format	Color
RYB	4, 83, 151
Decimal	300931
CIELab	56.00, -38.42, 1.03
CIElCh	56, 38.431, 178.463
Yxy	23.9124, 0.2367, 0.3702
Android (android.graphics.Color)	4278491011 (0xFF049783)
YUV	104.7670, 12.9329, -88.3727
Hunter-Lab	48.9003, -29.7652, 3.4417

Details

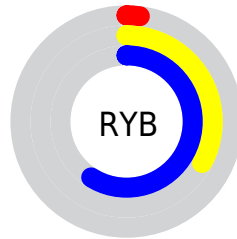
The CIELCh color **56, 38.431, 178.463** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **31, 63.680, 31.862**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 38.295, 178.479**, and **37, 29.607, 174.894** is the 20% darker color. If you saturate the color by 10%, you get **56, 38.796, 178.092**, and if you desaturate by 10%, it is **56, 37.016, 179.816**.

Distribution



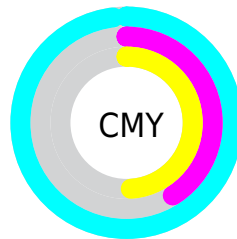
- Red (2%)
- Green (59%)
- Blue (51%)



- Red (2%)
- Yellow (33%)
- Blue (59%)



- Cyan (97%)
- Magenta (0%)
- Yellow (13%)
- Black (41%)



- Cyan (98%)
- Magenta (41%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 38.431, 178.463 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, 38.431, 178.463 by changing the saturation by 10% instead.

 56, 38.431,
178.463

 56, 38.431,
178.463

 100, 38.431,
178.463


 46, 38.431,
178.463


 76, 38.431,
178.463

 36, 38.431,
178.463

 86, 38.431,
178.463

 26, 38.431,
178.463

 96, 38.431,
178.463

 16, 38.431,
178.463

 6, 38.431, 178.463

 0, 38.431, 178.463

■ 56, 38.431,
178.463

■ 56, 38.431,
178.463

■ 56, 38.796,
178.092

■ 56, 37.016,
179.816

■ 56, 35.014,
181.062

■ 57, 32.332,
182.199

■ 57, 28.970,
183.246

■ 58, 24.974,
184.223

■ 59, 20.412,
185.146

■ 60, 15.376,
186.030

■ 61, 9.958, 186.890

Harmonies

Complementary

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



56, 38.431, 178.463



31, 63.680, 31.862

Rectangle

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



56, 38.431, 178.463



56, 38.431, 228.463



56, 38.431, 358.463



56, 38.431, 48.463

Sweetspot

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



56, 38.431, 178.462



75, 20.121, 185.826



55, 79.269, 135.093



39, 13.758, 185.478



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, 38.431, 178.462



71, 47.189, 177.778



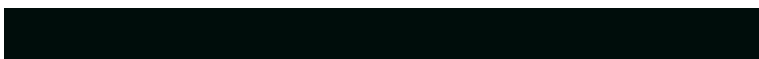
40, 35.112, 262.700



32, 3.345, 187.583



52, 36.663, 178.197



3, 3.688, 187.269

Inverse Universe

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



31, 63.680, 31.862



41, 79.822, 34.040



37, 60.228, 50.754



30, 3.489, 8.964



28, 61.367, 32.626



1, 3.672, 8.425

Previews

White Background



This preview shows how the CIELCh color 56, 38.431, 178.463 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, 38.431, 178.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

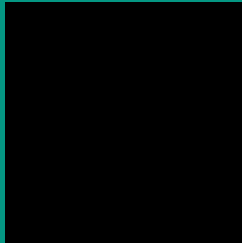
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 38.431, 178.463

Background



This preview shows how black text looks on a background with the CIELCh color 56, 38.431, 178.463.

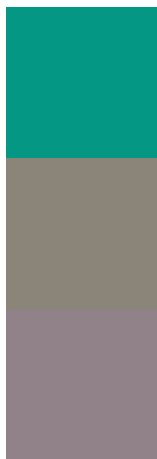


This preview shows how white text looks on a background with the CIELCh color 56, 38.431, 178.463.

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, 38.385, 178.446

Protanopia

56, 7.267, 89.538

Deuteranopia

56, 7.525, 348.072



Tritanopia
56, 29.111, 210.753

Trichromacy



Original Color
56, 38.385, 178.446



Protanomaly
54, 20.543, 172.477



Deuteranomaly
54, 15.709, 191.496



Tritanomaly
56, 31.887, 196.530

Monochromacy



Original Color
56, 38.385, 178.446



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 19.839, 185.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 38.431, 178.463 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(4, 151, 131)` looks like.

```
.text, #text, p{  
    color:rgb(4, 151, 131)  
}
```

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(4, 151, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 151, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 38.431, 178.463 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(4, 151, 131) }
```

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

```
.border{ border-color:rgb(4, 151, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 151, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 151, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 151, 131);  
box-shadow:4px 4px 4px 4px rgb(4, 151,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 38.431, 178.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 151, 131) }
```

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

```
.background{ background-color: rgb(4, 151,  
131) }
```

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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