

Converting Colors

CIELCh(49, 36.777, 188.493)

Have a look what the booklet for
CIELCh(49, 36.777, 188.493)
contains.

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Color

CIELCh(49, 32.095, 188.783)

Conversions

Conversions Part 1

Format	Color
Hex	00837C
RGB	0, 131, 124
RGB Percent	0%, 51%, 49%
CMY	1.0000, 0.4872, 0.5145
CMYK	1.00, 0.00, 0.05, 0.49
HSL	177°, 100%, 26%
HSV	177°, 100%, 51%
XYZ	11.6618, 17.5941, 21.7816
YIQ	91.0330, -75.8290, -29.9490

Conversions

Conversions Part 2

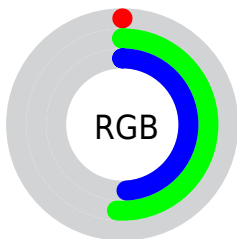
Format	Color
RYB	0, 67, 131
Decimal	33660
CIELab	49.00, -31.72, -4.90
CIELCh	49, 32.095, 188.783
Yxy	17.5941, 0.2285, 0.3447
Android (android.graphics.Color)	4278223740 (0xFF00837C)
YUV	91.0330, 16.2527, -79.8359
Hunter-Lab	41.9453, -23.7770, -1.4268

Details

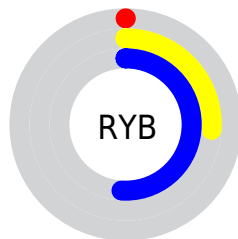
The CIELCh color **49, 32.095, 188.783** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **26, 60.796, 36.416**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 32.258, 187.977**, and **30, 23.131, 186.513** is the 20% darker color. If you saturate the color by 10%, you get **49, 31.884, 188.754**, and if you desaturate by 10%, it is **49, 30.991, 189.399**.

Distribution



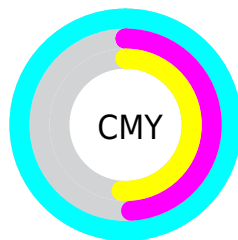
- Red (0%)
- Green (51%)
- Blue (49%)



- Red (0%)
- Yellow (26%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (49%)




- Cyan (100%)
- Magenta (49%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 32.095, 188.783 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 49, 32.095, 188.783 by changing the saturation by 10% instead.


 49, 32.095,
188.783


 49, 32.095,
188.783


 100, 32.095,
188.783


 39, 32.095,
188.783

 69, 32.095,
188.783


 29, 32.095,
188.783

 79, 32.095,
188.783

 19, 32.095,
188.783

 89, 32.095,
188.783

 9, 32.095, 188.783

 99, 32.095,
188.783

 0, 32.095, 188.783

 49, 32.095,

 49, 32.095,

188.783

188.783

■ 49, 31.884,
188.754

■ 49, 30.991,
189.399

■ 49, 29.704,
190.032

■ 50, 27.814,
190.644

■ 50, 25.308,
191.246

■ 51, 22.209,
191.849

■ 51, 18.565,
192.459

■ 52, 14.444,
193.083

■ 53, 9.924, 193.725

Harmonies

Complementary

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



49, 32.095, 188.783



26, 60.796, 36.416

Rectangle

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



49, 32.095, 188.783



49, 32.095, 238.783



49, 32.095, 8.783



49, 32.095, 58.783

Sweetspot

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



49, 31.884, 188.754



66, 17.930, 193.039



47, 72.550, 135.598



34, 12.174, 192.812



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 31.884, 188.754



63, 38.814, 188.584



31, 37.463, 275.158



28, 2.905, 194.468



49, 31.757, 188.757



1, 0.710, 194.994

Inverse Universe

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



26, 60.796, 36.416



35, 75.141, 37.706



33, 53.130, 56.609



26, 3.054, 15.559



26, 60.524, 36.374



0, 0.710, 14.977

Previews

White Background



This preview shows how the CIE LCh color 49, 32.095, 188.783 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 32.095, 188.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

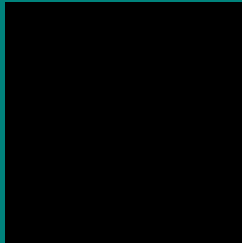
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 32.095, 188.783

Background



This preview shows how black text looks on a background with the CIELCh color 49, 32.095, 188.783.



This preview shows how white text looks on a background with the CIELCh color 49, 32.095, 188.783.

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
49, 31.930, 188.733

Protanopia
49, 0.993, 55.173

Deuteranopia
49, 9.548, 312.946



Tritanopia
49, 27.185, 209.464

Trichromacy



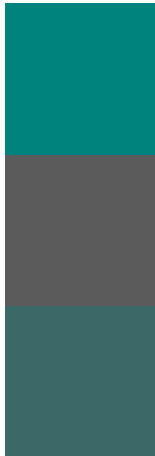
Original Color
49, 31.930, 188.733

Protanomaly
48, 16.783, 191.493

Deuteranomaly
47, 14.908, 214.192

Tritanomaly
49, 28.918, 200.095

Monochromacy



Original Color
49, 31.930, 188.733

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 17.008, 193.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 32.095, 188.783 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, 131, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 124)  
}
```

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, 131, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 32.095, 188.783 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, 131, 124) }
```

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

```
.border{ border-color:rgb(0, 131, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 32.095, 188.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 124) }
```

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

```
.background{ background-color: rgb(0, 131,  
124) }
```

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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