

Converting Colors

CIELCh(47, 68.419, 197.489)

Have a look what the booklet for
CIELCh(47, 68.419, 197.489)
contains.

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Color

CIELCh(51, 30.408, 206.656)

Conversions

Conversions Part 1

Format	Color
Hex	008790
RGB	0, 135, 144
RGB Percent	0%, 53%, 56%
CMY	1.0000, 0.4712, 0.4359
CMYK	1.00, 0.06, 0.00, 0.44
HSL	184°, 100%, 28%
HSV	184°, 100%, 56%
XYZ	13.6153, 19.2686, 29.3256
YIQ	95.6610, -83.3490, -25.8210

Conversions

Conversions Part 2

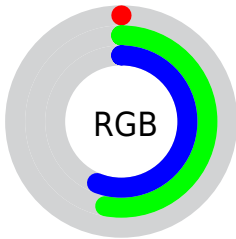
Format	Color
RYB	0, 70, 144
Decimal	34704
CIELab	51.00, -27.18, -13.64
CIELCh	51, 30.408, 206.656
Yxy	19.2686, 0.2189, 0.3097
Android (android.graphics.Color)	4278224784 (0xFF008790)
YUV	95.6610, 23.8311, -83.8947
Hunter-Lab	43.8960, -21.4526, -8.8826

Details

The CIELCh color **51, 30.408, 206.656** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **30, 66.642, 40.232**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 30.330, 206.610**, and **32, 21.691, 212.131** is the 20% darker color. If you saturate the color by 10%, you get **51, 30.217, 206.735**, and if you desaturate by 10%, it is **51, 29.713, 205.896**.

Distribution



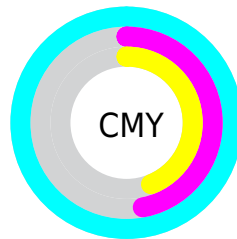
- Red (0%)
- Green (53%)
- Blue (56%)



- Red (0%)
- Yellow (27%)
- Blue (56%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (44%)





- Cyan (100%)
- Magenta (47%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 30.408, 206.656 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 51, 30.408, 206.656 by changing the saturation by 10% instead.


 51, 30.408,
206.656


 51, 30.408,
206.656


 100, 30.408,
206.656


 41, 30.408,
206.656


 71, 30.408,
206.656

 31, 30.408,
206.656

 81, 30.408,
206.656

 21, 30.408,
206.656

 91, 30.408,
206.656

 11, 30.408,
206.656

 1, 30.408, 206.656

 0, 30.408, 206.656

■ 51, 30.408,
206.656

■ 51, 30.408,
206.656

■ 51, 30.217,
206.735

■ 51, 29.713,
205.896

■ 52, 28.761,
205.202

■ 52, 27.161,
204.701

■ 53, 24.895,
204.375

■ 54, 21.984,
204.204

■ 55, 18.479,
204.169

■ 56, 14.449,
204.252

■ 57, 9.972, 204.437

Harmonies

Complementary

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



51, 30.408, 206.656



30, 66.642, 40.232

Rectangle

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



51, 30.408, 206.656



51, 30.408, 256.656



51, 30.408, 26.656



51, 30.408, 76.656

Sweetspot

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



51, 30.217, 206.735



71, 17.789, 204.244



52, 77.167, 136.561



37, 12.050, 204.202



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



51, 30.217, 206.735



65, 36.487, 206.968



29, 50.935, 287.680



30, 2.885, 204.759



48, 28.889, 206.671



2, 1.995, 204.972

Inverse Universe

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



33, 71.905, 330.832



44, 86.858, 330.890



40, 54.536, 65.651



28, 5.374, 326.644



31, 68.737, 330.816



1, 3.610, 326.163

Previews

White Background



This preview shows how the CIE LCh color 51, 30.408, 206.656 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 51, 30.408, 206.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

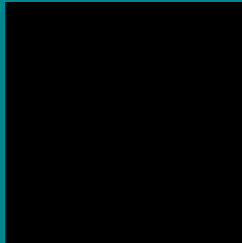
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 30.408, 206.656

Background



This preview shows how black text looks on a background with the CIELCh color 51, 30.408, 206.656.

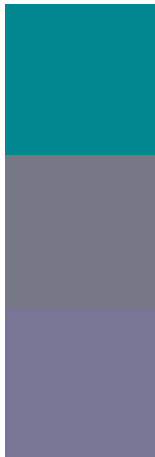


This preview shows how white text looks on a background with the CIELCh color 51, 30.408, 206.656.

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

51, 30.242, 206.727

Protanopia

51, 8.176, 288.551

Deuteranopia

51, 17.563, 294.765



Tritanopia
51, 29.626, 209.361

Trichromacy



Original Color
51, 30.242, 206.727

Protanomaly
50, 17.788, 223.493

Deuteranomaly
50, 19.696, 239.456

Tritanomaly
51, 29.855, 208.065

Monochromacy



Original Color
51, 30.242, 206.727

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 17.120, 203.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 30.408, 206.656 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, 135, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 144)  
}
```

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, 135, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 30.408, 206.656 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, 135, 144) }
```

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

```
.border{ border-color:rgb(0, 135, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 30.408, 206.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 144) }
```

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

```
.background{ background-color: rgb(0, 135,  
144) }
```

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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