

Converting Colors

CIELCh(51, 33.578, 197.284)

Have a look what the booklet for
CIELCh(51, 33.578, 197.284)
contains.

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Color

CIELCh(51, 31.113, 198.608)

Conversions

Conversions Part 1

Format	Color
Hex	008789
RGB	0, 135, 137
RGB Percent	0%, 53%, 54%
CMY	1.0000, 0.4687, 0.4609
CMYK	1.00, 0.01, 0.00, 0.46
HSL	181°, 100%, 27%
HSV	181°, 100%, 54%
XYZ	13.2577, 19.2686, 26.8678
YIQ	94.8630, -81.1020, -27.9980

Conversions

Conversions Part 2

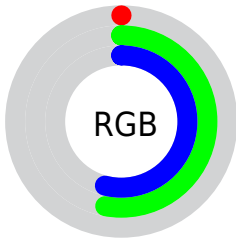
Format	Color
RYB	0, 68, 137
Decimal	34697
CIELab	51.00, -29.49, -9.93
CIELCh	51, 31.113, 198.608
Yxy	19.2686, 0.2232, 0.3244
Android (android.graphics.Color)	4278224777 (0xFF008789)
YUV	94.8630, 20.7735, -83.1949
Hunter-Lab	43.8960, -22.9065, -5.5629

Details

The CIELCh color **51, 31.113, 198.608** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **28, 64.837, 39.176**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 31.052, 198.064**, and **32, 22.217, 199.767** is the 20% darker color. If you saturate the color by 10%, you get **51, 31.024, 198.621**, and if you desaturate by 10%, it is **51, 30.375, 198.503**.

Distribution



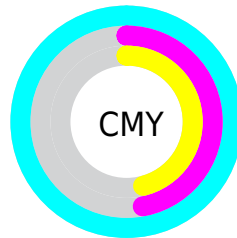
- Red (0%)
- Green (53%)
- Blue (54%)



- Red (0%)
- Yellow (27%)
- Blue (54%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (46%)




- Cyan (100%)
- Magenta (47%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 31.113, 198.608 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, 31.113, 198.608 by changing the saturation by 10% instead.


 51, 31.113,
198.608


 51, 31.113,
198.608


 100, 31.113,
198.608


 41, 31.113,
198.608


 71, 31.113,
198.608


 31, 31.113,
198.608


 81, 31.113,
198.608

 21, 31.113,
198.608

 91, 31.113,
198.608

 11, 31.113,
198.608

 1, 31.113, 198.608

 0, 31.113, 198.608

■ 51, 31.113,
198.608

■ 51, 31.113,
198.608

■ 51, 31.024,
198.621

■ 51, 30.375,
198.503

■ 51, 29.302,
198.442

■ 52, 27.600,
198.466

■ 52, 25.250,
198.574

■ 53, 22.268,
198.762

■ 53, 18.700,
199.027

■ 54, 14.611,
199.362

■ 55, 10.078,

199.762

■ 56, 5.181, 200.240

Harmonies

Complementary

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



51, 31.113, 198.608



28, 64.837, 39.176

Rectangle

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



51, 31.113, 198.608



51, 31.113, 248.608



51, 31.113, 18.608



51, 31.113, 68.608

Sweetspot

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



51, 31.024, 198.621



69, 18.039, 199.338



50, 75.663, 136.016



35, 12.086, 199.210



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 31.024, 198.621



65, 37.563, 198.671



30, 44.547, 282.881



29, 2.934, 200.286



49, 30.224, 198.613



1, 1.393, 200.655

Inverse Universe

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



32, 72.195, 328.805



42, 87.427, 328.818



37, 53.594, 61.576



27, 5.387, 325.296



31, 70.331, 328.803



0, 2.487, 324.828

Previews

White Background



This preview shows how the CIELCh color 51, 31.113, 198.608 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, 31.113, 198.608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

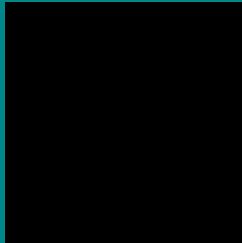
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 31.113, 198.608

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.113, 198.608.

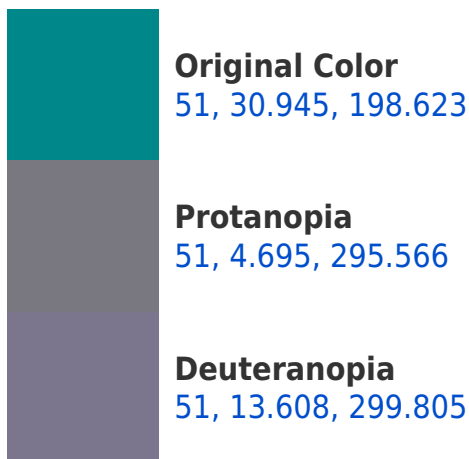


This preview shows how white text looks on a background with the CIELCh color 51, 31.113, 198.608.

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





Tritanopia
51, 28.736, 209.841

Trichromacy



Original Color
51, 30.945, 198.623

Protanomaly
50, 17.098, 207.672

Deuteranomaly
49, 17.650, 230.459

Tritanomaly
51, 29.685, 204.622

Monochromacy



Original Color
51, 30.945, 198.623

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 17.611, 197.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.113, 198.608 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.113, 198.608 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, 137) }
```

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

```
.border{ border-color:rgb(0, 135, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.113, 198.608 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, 137) }
```

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

```
.background{ background-color: rgb(0, 135,  
137) }
```

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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