

Converting Colors

CIELCh(51, 31.735, 193.425)

Have a look what the booklet for
CIELCh(51, 31.735, 193.425)
contains.

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Color

CIELCh(51, 31.826, 193.137)

Conversions

Conversions Part 1

Format	Color
Hex	028885
RGB	2, 136, 133
RGB Percent	1%, 53%, 52%
CMY	0.9939, 0.4672, 0.4790
CMYK	0.99, 0.00, 0.02, 0.47
HSL	179°, 98%, 27%
HSV	179°, 99%, 53%
XYZ	13.0280, 19.2686, 25.1734
YIQ	95.5920, -78.9010, -29.3410

Conversions

Conversions Part 2

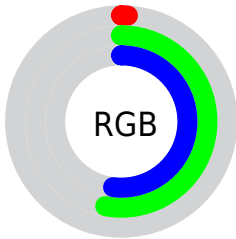
Format	Color
RYB	2, 70, 136
Decimal	166021
CIELab	51.00, -30.99, -7.23
CIELCh	51, 31.826, 193.137
Yxy	19.2686, 0.2267, 0.3353
Android (android.graphics.Color)	4278356101 (0xFF028885)
YUV	95.5920, 18.4421, -82.0802
Hunter-Lab	43.8960, -23.8407, -3.2743

Details

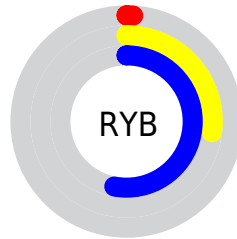
The CIELCh color **51, 31.826, 193.137** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **27, 63.171, 37.709**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 31.902, 192.996**, and **32, 22.709, 194.732** is the 20% darker color. If you saturate the color by 10%, you get **51, 31.913, 193.099**, and if you desaturate by 10%, it is **51, 31.032, 193.461**.

Distribution



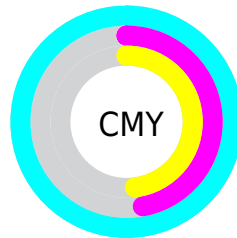
- Red (1%)
- Green (53%)
- Blue (52%)



- Red (1%)
- Yellow (27%)
- Blue (53%)



- Cyan (99%)
- Magenta (0%)
- Yellow (2%)
- Black (47%)





- Cyan (99%)
- Magenta (47%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 31.826, 193.137 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, 31.826, 193.137 by changing the saturation by 10% instead.


 51, 31.826,
193.137


 51, 31.826,
193.137


 100, 31.826,
193.137


 41, 31.826,
193.137


 71, 31.826,
193.137

 31, 31.826,
193.137

 81, 31.826,
193.137

 21, 31.826,
193.137

 91, 31.826,
193.137

 11, 31.826,
193.137

 1, 31.826, 193.137

 0, 31.826, 193.137

■ 51, 31.826,
193.137

■ 51, 31.826,
193.137

■ 51, 31.913,
193.099

■ 51, 31.032,
193.461

■ 51, 29.770,
193.802

■ 52, 27.881,
194.166

■ 52, 25.351,
194.561

■ 52, 22.201,
194.991

■ 53, 18.481,
195.459

■ 54, 14.261,
195.965

■ 55, 9.618, 196.511

Harmonies

Complementary

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



51, 31.826, 193.137



27, 63.171, 37.709

Rectangle

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



51, 31.826, 193.137



51, 31.826, 243.137



51, 31.826, 13.137



51, 31.826, 63.137

Sweetspot

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



51, 31.826, 193.136



68, 18.197, 195.871



49, 74.495, 135.884



36, 12.342, 195.683



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, 31.826, 193.136



65, 38.590, 193.029



31, 40.831, 278.833



29, 2.984, 197.098



50, 31.355, 193.107



1, 1.415, 197.563

Inverse Universe

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



27, 63.171, 37.709



36, 78.135, 39.036



36, 53.231, 59.099



27, 3.148, 18.074



27, 62.433, 37.777



0, 1.415, 17.546

Previews

White Background



This preview shows how the CIELCh color 51, 31.826, 193.137 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, 31.826, 193.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

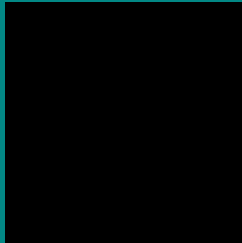
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 31.826, 193.137

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.826, 193.137.

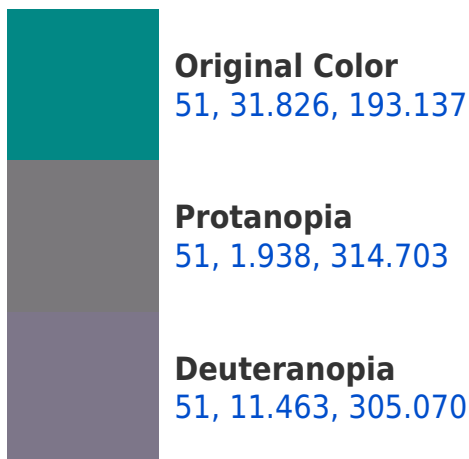


This preview shows how white text looks on a background with the CIELCh color 51, 31.826, 193.137.

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, 28.289, 210.089

Trichromacy



Original Color
51, 31.826, 193.137

Protanomaly
50, 16.927, 199.671

Deuteranomaly
49, 16.193, 221.671

Tritanomaly
51, 29.503, 203.515

Monochromacy



Original Color
51, 31.826, 193.137

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 17.442, 195.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.826, 193.137 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(2, 136, 133)` looks like.

```
.text, #text, p{  
    color:rgb(2, 136, 133)  
}
```

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(2, 136, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 136, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.826, 193.137 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(2, 136, 133) }
```

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

```
.border{ border-color:rgb(2, 136, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 136, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 136, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 136, 133);  
box-shadow:4px 4px 4px 4px rgb(2, 136,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.826, 193.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 136, 133) }
```

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

```
.background{ background-color: rgb(2, 136,  
133) }
```

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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