

Converting Colors

CIELCh(51, 29.914, 196.490)

Have a look what the booklet for
CIELCh(51, 29.914, 196.490)
contains.

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Color

CIELCh(51, 29.898, 196.510)

Conversions

Conversions Part 1

Format	Color
Hex	168787
RGB	22, 135, 135
RGB Percent	9%, 53%, 53%
CMY	0.9132, 0.4703, 0.4703
CMYK	0.84, 0.00, 0.00, 0.47
HSL	180°, 72%, 31%
HSV	180°, 84%, 53%
XYZ	13.3841, 19.2686, 25.9585
YIQ	101.2130, -67.3480, -23.9560

Conversions

Conversions Part 2

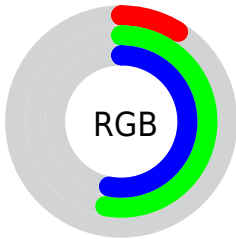
Format	Color
R_{YB}	22, 79, 135
Decimal	1476487
CIE _{Lab}	51.00, -28.67, -8.50
CIE _{LCh}	51, 29.898, 196.510
Yxy	19.2686, 0.2284, 0.3288
Android (android.graphics.Color)	4279666567 (0xFF168787)
YUV	101.2130, 16.6570, -69.4698
Hunter-Lab	43.8960, -22.3926, -4.3347

Details

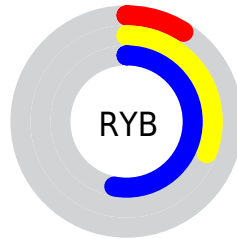
The CIELCh color **51, 29.898, 196.510** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **29, 55.596, 34.236**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 30.016, 196.055**, and **32, 22.528, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **51, 30.811, 196.425**, and if you desaturate by 10%, it is **51, 28.387, 196.649**.

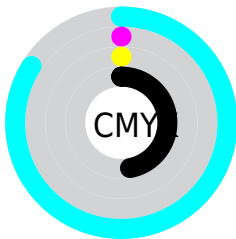
Distribution



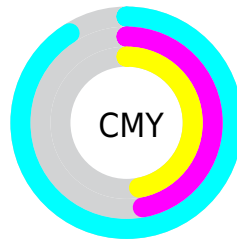
- Red (9%)
- Green (53%)
- Blue (53%)



- Red (9%)
- Yellow (31%)
- Blue (53%)



- Cyan (84%)
- Magenta (0%)
- Yellow (0%)
- Black (47%)





- Cyan (91%)
- Magenta (47%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 29.898, 196.510 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, 29.898, 196.510 by changing the saturation by 10% instead.


 51, 29.898,
196.510


 51, 29.898,
196.510


 100, 29.898,
196.510


 41, 29.898,
196.510


 71, 29.898,
196.510

 31, 29.898,
196.510

 81, 29.898,
196.510

 21, 29.898,
196.510

 91, 29.898,
196.510

 11, 29.898,
196.510

 1, 29.898, 196.510

 0, 29.898, 196.510

■ 51, 29.898,
196.510

■ 51, 29.898,
196.510

■ 51, 30.811,
196.425

■ 51, 28.387,
196.649

■ 51, 31.254,
196.384

■ 52, 26.240,
196.849

■ 52, 23.460,
197.112

■ 53, 20.080,
197.435

■ 53, 16.159,
197.818

■ 54, 11.769,
198.257

■ 55, 6.989, 198.756

■ 56, 1.897, 199.429

Harmonies

Complementary

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



51, 29.898, 196.510



29, 55.596, 34.236

Rectangle

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



51, 29.898, 196.510



51, 29.898, 246.510



51, 29.898, 16.510



51, 29.898, 66.510

Sweetspot

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



51, 29.898, 196.509



69, 15.367, 198.167



49, 69.391, 136.887



36, 10.453, 198.030



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, 29.898, 196.509



65, 37.940, 196.384



33, 35.762, 274.089



28, 2.886, 199.011



49, 30.410, 196.384



1, 0.707, 199.421

Inverse Universe

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



29, 55.596, 34.236



36, 79.113, 39.952



39, 45.382, 63.273



26, 3.050, 19.878



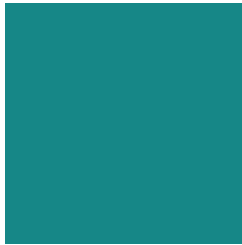
26, 62.118, 38.507



0, 0.707, 19.404

Previews

White Background



This preview shows how the CIE LCh color 51, 29.898, 196.510 looks on a white background.

Color Contrast Check

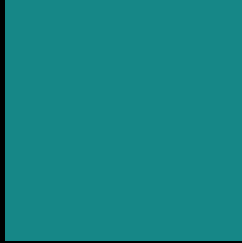
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.898, 196.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

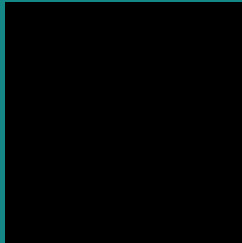
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 29.898, 196.510

Background



This preview shows how black text looks on a background with the CIELCh color 51, 29.898, 196.510.

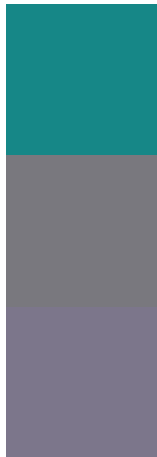


This preview shows how white text looks on a background with the CIELCh color 51, 29.898, 196.510.

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, 29.898, 196.510

Protanopia

51, 3.534, 297.039

Deuteranopia

51, 12.521, 302.185



Tritanopia
51, 27.784, 209.108

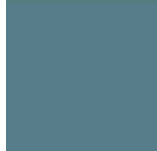
Trichromacy



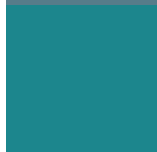
Original Color
51, 29.898, 196.510



Protanomaly
50, 14.429, 207.388



Deuteranomaly
50, 14.962, 231.766

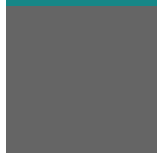


Tritanomaly
51, 28.362, 205.112

Monochromacy



Original Color
51, 29.898, 196.510



Achromatopsia
43, 0.006, 296.813



Achromatomaly
45, 14.948, 197.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 29.898, 196.510 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(22, 135, 135)` looks like.

```
.text, #text, p{  
    color:rgb(22, 135, 135)  
}
```

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(22, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 135, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 29.898, 196.510 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(22, 135, 135) }
```

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

```
.border{ border-color:rgb(22, 135, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 135, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(22, 135, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(22, 135, 135); box-shadow:4px 4px 4px 4px rgb(22, 135, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 29.898, 196.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 135, 135) }
```

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

```
.background{ background-color: rgb(22, 135,  
135) }
```

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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