

Converting Colors

CIELCh(46, 75.950, 196.329)

Have a look what the booklet for
CIELCh(46, 75.950, 196.329)
contains.

CIELCh(51, 30.555, 204.321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 30.555, 204.321)

Conversions

Conversions Part 1

Format	Color
Hex	00878E
RGB	0, 135, 142
RGB Percent	0%, 53%, 56%
CMY	1.0000, 0.4705, 0.4430
CMYK	1.00, 0.05, 0.00, 0.44
HSL	183°, 100%, 28%
HSV	183°, 100%, 56%
XYZ	13.5114, 19.2686, 28.6108
YIQ	95.4330, -82.7070, -26.4430

Conversions

Conversions Part 2

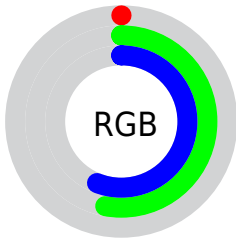
Format	Color
RYB	0, 69, 142
Decimal	34702
CIELab	51.00, -27.84, -12.58
CIELCh	51, 30.555, 204.321
Yxy	19.2686, 0.2201, 0.3139
Android (android.graphics.Color)	4278224782 (0xFF00878E)
YUV	95.4330, 22.9575, -83.6947
Hunter-Lab	43.8960, -21.8751, -7.9172

Details

The CIELCh color **51, 30.555, 204.321** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **29, 66.125, 39.956**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 30.403, 204.454**, and **32, 21.749, 208.544** is the 20% darker color. If you saturate the color by 10%, you get **51, 30.393, 204.376**, and if you desaturate by 10%, it is **51, 29.858, 203.754**.

Distribution



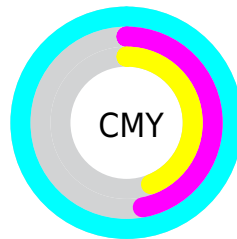
- Red (0%)
- Green (53%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (44%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 30.555, 204.321 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, 30.555, 204.321 by changing the saturation by 10% instead.


 51, 30.555,
204.321


 51, 30.555,
204.321


 100, 30.555,
204.321


 41, 30.555,
204.321


 71, 30.555,
204.321

 31, 30.555,
204.321

 81, 30.555,
204.321

 21, 30.555,
204.321

 91, 30.555,
204.321

 11, 30.555,
204.321

 1, 30.555, 204.321

 0, 30.555, 204.321

■ 51, 30.555,
204.321

■ 51, 30.555,
204.321

■ 51, 30.393,
204.376

■ 51, 29.858,
203.754

■ 52, 28.879,
203.250

■ 52, 27.257,
202.904

■ 53, 24.973,
202.707

■ 54, 22.047,
202.642

■ 54, 18.528,
202.695

■ 55, 14.485,
202.851

■ 57, 9.996, 203.099

Harmonies

Complementary

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



51, 30.555, 204.321



29, 66.125, 39.956

Rectangle

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



51, 30.555, 204.321



51, 30.555, 254.321



51, 30.555, 24.321



51, 30.555, 74.321

Sweetspot

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



51, 30.393, 204.376



70, 17.818, 202.839



51, 76.782, 136.386



36, 11.937, 202.772



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 30.393, 204.376



65, 36.669, 204.554



29, 48.826, 286.179



30, 2.922, 203.480



49, 29.324, 204.337



2, 2.020, 203.739

Inverse Universe

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



33, 71.977, 330.249



43, 86.876, 330.293



39, 54.284, 64.252



28, 5.423, 326.263



31, 69.438, 330.240



1, 3.643, 325.785

Previews

White Background



This preview shows how the CIELCh color 51, 30.555, 204.321 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, 30.555, 204.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

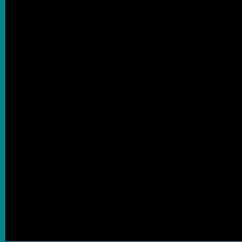
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 30.555, 204.321

Background



This preview shows how black text looks on a background with the CIELCh color 51, 30.555, 204.321.



This preview shows how white text looks on a background with the CIELCh color 51, 30.555, 204.321.

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

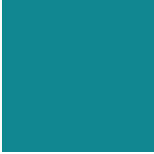
51, 30.388, 204.375

Protanopia

51, 7.590, 291.154

Deuteranopia

51, 16.424, 296.091



Tritanopia
51, 29.172, 209.605

Trichromacy



Original Color
51, 30.388, 204.375



Protanomaly
49, 17.502, 219.666



Deuteranomaly
50, 19.193, 238.431



Tritanomaly
51, 29.543, 208.217

Monochromacy



Original Color
51, 30.388, 204.375



Achromatopsia
40, 0.006, 296.813



Achromatomaly
43, 17.445, 201.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 30.555, 204.321 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 30.555, 204.321 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, 142) }
```

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

```
.border{ border-color:rgb(0, 135, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 30.555, 204.321 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, 142) }
```

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

```
.background{ background-color: rgb(0, 135,  
142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor