

Converting Colors

CIELCh(51, 30.854, 230.329)

Have a look what the booklet for
CIELCh(51, 30.854, 230.329)
contains.

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Color

CIELCh(51, 30.811, 229.564)

Conversions

Conversions Part 1

Format	Color
Hex	0185A1
RGB	1, 133, 161
RGB Percent	0%, 52%, 63%
CMY	0.9962, 0.4795, 0.3697
CMYK	0.99, 0.17, 0.00, 0.37
HSL	191°, 99%, 32%
HSV	191°, 99%, 63%
XYZ	14.7693, 19.2686, 36.5274
YIQ	96.7240, -87.6600, -19.2760

Conversions

Conversions Part 2

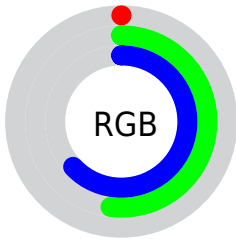
Format	Color
RYB	1, 73, 161
Decimal	99745
CIELab	51.00, -19.98, -23.45
CIELCh	51, 30.811, 229.564
Yxy	19.2686, 0.2093, 0.2731
Android (android.graphics.Color)	4278289825 (0xFF0185A1)
YUV	96.7240, 31.6881, -83.9499
Hunter-Lab	43.8960, -16.7597, -18.6100

Details

The CIELCh color **51, 30.811, 229.564** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **35, 70.273, 42.869**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 30.891, 230.029**, and **32, 23.931, 241.484** is the 20% darker color. If you saturate the color by 10%, you get **51, 30.850, 229.745**, and if you desaturate by 10%, it is **52, 30.133, 226.536**.

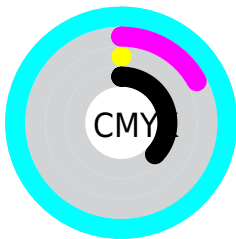
Distribution



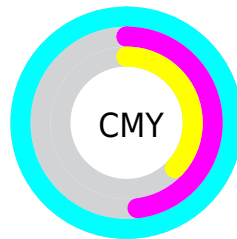
- Red (0%)
- Green (52%)
- Blue (63%)



- Red (0%)
- Yellow (29%)
- Blue (63%)



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (48%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 30.811, 229.564 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, 30.811, 229.564 by changing the saturation by 10% instead.


 51, 30.811,
229.564


 51, 30.811,
229.564


 100, 30.811,
229.564


 41, 30.811,
229.564


 71, 30.811,
229.564


 31, 30.811,
229.564


 81, 30.811,
229.564

 21, 30.811,
229.564

 91, 30.811,
229.564

 11, 30.811,
229.564

 1, 30.811, 229.564

 0, 30.811, 229.564

■ 51, 30.811,
229.564

■ 51, 30.811,
229.564

■ 51, 30.850,
229.745

■ 52, 30.133,
226.536

■ 53, 29.018,
223.964

■ 54, 27.287,
221.913

■ 56, 24.910,
220.317

■ 57, 21.904,
219.103

■ 59, 18.321,
218.203

■ 61, 14.230,
217.561

■ 62, 9.710, 217.129

Harmonies

Complementary

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



51, 30.811, 229.564



35, 70.273, 42.869

Rectangle

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



51, 30.811, 229.564



51, 30.811, 279.564



51, 30.811, 49.564



51, 30.811, 99.564

Sweetspot

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



51, 30.810, 229.564



77, 17.912, 217.624



58, 80.493, 138.135



39, 12.011, 217.860



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



51, 30.810, 229.564



65, 37.533, 230.463



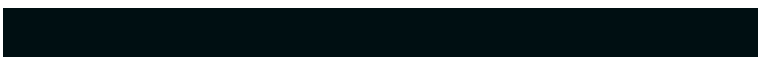
27, 68.051, 296.020



34, 2.948, 216.889



46, 28.655, 229.426



3, 4.586, 221.779

Inverse Universe

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



36, 71.412, 336.527



48, 86.710, 336.769



50, 58.265, 76.095



32, 5.551, 330.202



33, 66.486, 336.495



1, 8.321, 331.217

Previews

White Background



This preview shows how the CIE LCh color 51, 30.811, 229.564 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, 30.811, 229.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

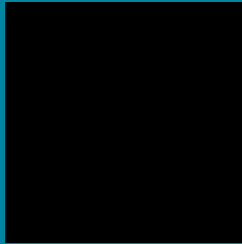
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 30.811, 229.564

Background



This preview shows how black text looks on a background with the CIELCh color 51, 30.811, 229.564.

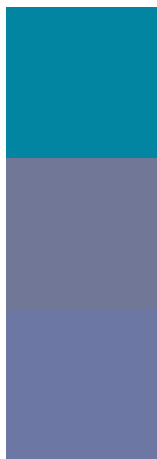


This preview shows how white text looks on a background with the CIELCh color 51, 30.811, 229.564.

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, 30.848, 229.517

Protanopia

51, 18.187, 284.616

Deuteranopia

51, 26.354, 286.185



Tritanopia
51, 30.186, 207.910

Trichromacy



Original Color
51, 30.848, 229.517

Protanomaly
50, 23.275, 247.744

Deuteranomaly
50, 27.015, 256.850

Tritanomaly
51, 29.962, 216.394

Monochromacy



Original Color
51, 30.848, 229.517

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 17.098, 218.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 30.811, 229.564 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(1, 133, 161)` looks like.

```
.text, #text, p{  
    color:rgb(1, 133, 161)  
}
```

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(1, 133, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 133, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 30.811, 229.564 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(1, 133, 161) }
```

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

```
.border{ border-color:rgb(1, 133, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 133, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 133, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 133, 161);  
box-shadow:4px 4px 4px 4px rgb(1, 133,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 30.811, 229.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 133, 161) }
```

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

```
.background{ background-color: rgb(1, 133,  
161) }
```

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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