

Converting Colors

CIELCh(50, 29.812, 223.187)

Have a look what the booklet for
CIELCh(50, 29.812, 223.187)
contains.

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Color

CIELCh(50, 29.823, 222.879)

Conversions

Conversions Part 1

Format	Color
Hex	008399
RGB	0, 131, 153
RGB Percent	0%, 51%, 60%
CMY	1.0000, 0.4876, 0.4014
CMYK	1.00, 0.14, 0.00, 0.40
HSL	189°, 100%, 30%
HSV	189°, 100%, 60%
XYZ	13.7738, 18.4187, 32.8112
YIQ	94.3390, -85.1380, -20.9300

Conversions

Conversions Part 2

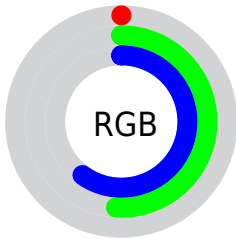
Format	Color
RYB	0, 71, 153
Decimal	33689
CIELab	50.00, -21.85, -20.29
CIELCh	50, 29.823, 222.879
Yxy	18.4187, 0.2119, 0.2833
Android (android.graphics.Color)	4278223769 (0xFF008399)
YUV	94.3390, 28.9199, -82.7353
Hunter-Lab	42.9170, -17.8166, -15.2870

Details

The CIELCh color **50, 29.823, 222.879** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 68.539, 42.074**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 29.768, 222.803**, and **31, 22.366, 234.417** is the 20% darker color. If you saturate the color by 10%, you get **50, 29.770, 222.932**, and if you desaturate by 10%, it is **51, 29.237, 220.541**.

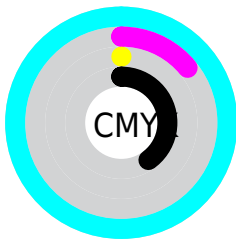
Distribution



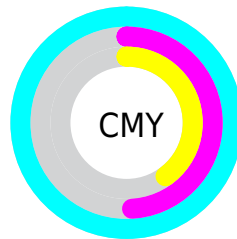
- Red (0%)
- Green (51%)
- Blue (60%)



- Red (0%)
- Yellow (28%)
- Blue (60%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (49%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 29.823, 222.879 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 50, 29.823, 222.879 by changing the saturation by 10% instead.


 50, 29.823,
222.879


 50, 29.823,
222.879


 100, 29.823,
222.879


 40, 29.823,
222.879


 70, 29.823,
222.879

 30, 29.823,
222.879


 80, 29.823,
222.879


 20, 29.823,
222.879

 90, 29.823,
222.879

 10, 29.823,
222.879

 0, 29.823, 222.879

 50, 29.823,
222.879

 50, 29.823,
222.879

■ 50, 29.770,
222.932

■ 51, 29.237,
220.541

■ 52, 28.276,
218.502

■ 53, 26.688,
216.893

■ 54, 24.449,
215.661

■ 55, 21.580,
214.747

■ 57, 18.130,
214.096

■ 58, 14.170,
213.661

■ 60, 9.777, 213.406

■ 61, 5.030, 213.317

Harmonies

Complementary

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



50, 29.823, 222.879



33, 68.539, 42.074

Rectangle

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



50, 29.823, 222.879



50, 29.823, 272.879



50, 29.823, 42.879



50, 29.823, 92.879

Sweetspot

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



50, 29.770, 222.932



74, 17.541, 213.682



55, 78.676, 137.556



38, 11.757, 213.830



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 29.770, 222.932



64, 36.188, 223.539



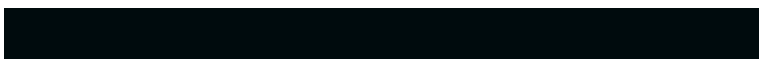
27, 62.151, 294.039



32, 2.854, 213.319



46, 27.994, 222.707



2, 3.130, 214.609

Inverse Universe

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



35, 70.508, 334.826



46, 85.584, 334.979



46, 56.253, 73.006



30, 5.378, 329.158



32, 66.336, 334.770



1, 5.727, 329.062

Previews

White Background



This preview shows how the CIE LCh color 50, 29.823, 222.879 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 50, 29.823, 222.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

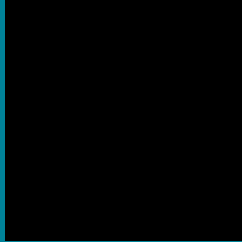
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.823, 222.879

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.823, 222.879.

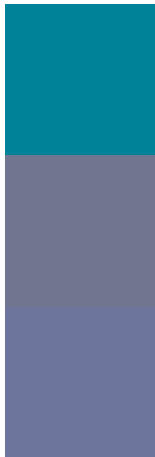


This preview shows how white text looks on a background with the CIELCh color 50, 29.823, 222.879.

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

50, 29.823, 222.879

Protanopia

50, 15.273, 286.664

Deuteranopia

50, 22.885, 287.033



Tritanopia
50, 29.689, 208.154

Trichromacy



Original Color
50, 29.823, 222.879

Protanomaly
49, 21.037, 242.952

Deuteranomaly
49, 24.290, 251.900

Tritanomaly
50, 29.593, 213.019

Monochromacy



Original Color
50, 29.823, 222.879

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 16.648, 214.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.823, 222.879 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, 131, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 153)  
}
```

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, 131, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.823, 222.879 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, 131, 153) }
```

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

```
.border{ border-color:rgb(0, 131, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.823, 222.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 153) }
```

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

```
.background{ background-color: rgb(0, 131,  
153) }
```

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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