

Converting Colors

CIELCh(50, 30.488, 230.098)

Have a look what the booklet for
CIELCh(50, 30.488, 230.098)
contains.

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Color

CIELCh(50, 30.474, 230.126)

Conversions

Conversions Part 1

Format	Color
Hex	00829E
RGB	0, 130, 158
RGB Percent	0%, 51%, 62%
CMY	1.0000, 0.4904, 0.3806
CMYK	1.00, 0.18, 0.00, 0.38
HSL	191°, 100%, 31%
HSV	191°, 100%, 62%
XYZ	14.1416, 18.4187, 35.1356
YIQ	94.3220, -86.4680, -18.8520

Conversions

Conversions Part 2

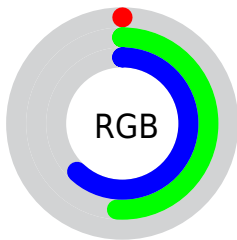
Format	Color
RYB	0, 71, 158
Decimal	33438
CIELab	50.00, -19.54, -23.39
CIElCh	50, 30.474, 230.126
Yxy	18.4187, 0.2089, 0.2721
Android (android.graphics.Color)	4278223518 (0xFF00829E)
YUV	94.3220, 31.3933, -82.7204
Hunter-Lab	42.9170, -16.2868, -18.4982

Details

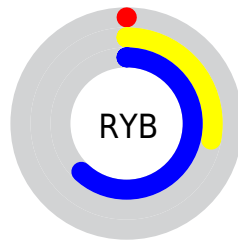
The CIELCh color **50, 30.474, 230.126** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **34, 69.643, 43.024**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 30.517, 230.600**, and **31, 23.895, 244.165** is the 20% darker color. If you saturate the color by 10%, you get **50, 30.468, 230.133**, and if you desaturate by 10%, it is **51, 29.787, 227.074**.

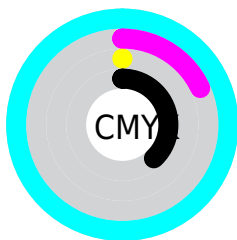
Distribution



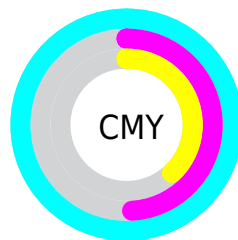
- Red (0%)
- Green (51%)
- Blue (62%)



- Red (0%)
- Yellow (28%)
- Blue (62%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (38%)





- Cyan (100%)
- Magenta (49%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 30.474, 230.126 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, 30.474, 230.126 by changing the saturation by 10% instead.


 50, 30.474,
230.126


 50, 30.474,
230.126


 100, 30.474,
230.126


 40, 30.474,
230.126


 70, 30.474,
230.126

 30, 30.474,
230.126


 80, 30.474,
230.126


 20, 30.474,
230.126

 90, 30.474,
230.126

 10, 30.474,
230.126

 0, 30.474, 230.126

 50, 30.474,
230.126

 50, 30.474,
230.126

■ 50, 30.468,
230.133

■ 51, 29.787,
227.074

■ 52, 28.706,
224.445

■ 53, 27.025,
222.343

■ 55, 24.711,
220.703

■ 56, 21.778,
219.453

■ 58, 18.275,
218.522

■ 59, 14.270,
217.853

■ 61, 9.839, 217.399

■ 63, 5.059, 217.137

Harmonies

Complementary

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



50, 30.474, 230.126



34, 69.643, 43.024

Rectangle

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



50, 30.474, 230.126



50, 30.474, 280.126



50, 30.474, 50.126



50, 30.474, 100.126

Sweetspot

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



50, 30.468, 230.133



76, 17.716, 217.886



57, 79.646, 138.092



39, 11.998, 218.129



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



50, 30.468, 230.133



64, 37.203, 230.883



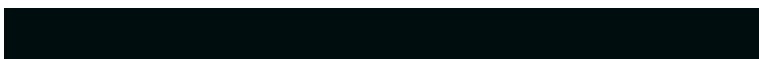
27, 67.527, 296.154



33, 2.868, 217.127



45, 28.294, 229.805



3, 3.776, 220.396

Inverse Universe

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



36, 70.486, 336.681



47, 85.792, 336.880



49, 57.715, 76.015



31, 5.399, 330.269



32, 65.547, 336.594



1, 6.869, 330.798

Previews

White Background



This preview shows how the CIE LCh color 50, 30.474, 230.126 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, 30.474, 230.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

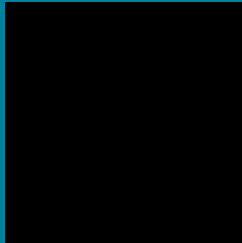
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 30.474, 230.126

Background



This preview shows how black text looks on a background with the CIELCh color 50, 30.474, 230.126.

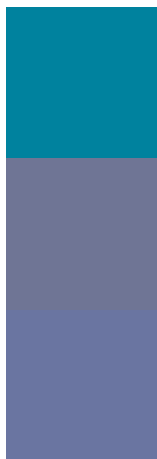


This preview shows how white text looks on a background with the CIELCh color 50, 30.474, 230.126.

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, 30.474, 230.126

Protanopia

50, 18.810, 286.085

Deuteranopia

50, 25.890, 285.283



Tritanopia
50, 29.689, 208.154

Trichromacy



Original Color
50, 30.474, 230.126

Protanomaly
49, 22.979, 248.934

Deuteranomaly
49, 26.732, 255.705

Tritanomaly
50, 29.487, 216.815

Monochromacy



Original Color
50, 30.474, 230.126

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 16.834, 218.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 30.474, 230.126 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, 130, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 158)  
}
```

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, 130, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 30.474, 230.126 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, 130, 158) }
```

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

```
.border{ border-color:rgb(0, 130, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 30.474, 230.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 158) }
```

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

```
.background{ background-color: rgb(0, 130,  
158) }
```

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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