

Converting Colors

CIELCh(50, 30.098, 227.830)

Have a look what the booklet for
CIELCh(50, 30.098, 227.830)
contains.

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Color

CIELCh(50, 30.082, 227.909)

Conversions

Conversions Part 1

Format	Color
Hex	02829C
RGB	2, 130, 156
RGB Percent	1%, 51%, 61%
CMY	0.9903, 0.4897, 0.3877
CMYK	0.98, 0.17, 0.00, 0.39
HSL	190°, 97%, 31%
HSV	190°, 98%, 61%
XYZ	14.0414, 18.4187, 34.3243
YIQ	94.6920, -84.6340, -19.0500

Conversions

Conversions Part 2

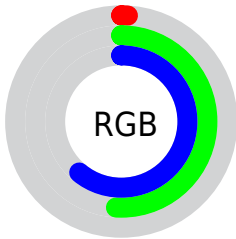
Format	Color
RYB	2, 72, 156
Decimal	164508
CIELab	50.00, -20.16, -22.32
CIELCh	50, 30.082, 227.909
Yxy	18.4187, 0.2103, 0.2758
Android (android.graphics.Color)	4278354588 (0xFF02829C)
YUV	94.6920, 30.2248, -81.2909
Hunter-Lab	42.9170, -16.7037, -17.3773

Details

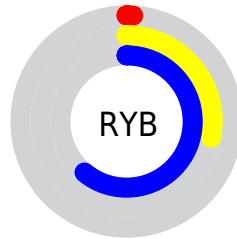
The CIELCh color **50, 30.082, 227.909** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **34, 68.210, 42.544**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 30.150, 228.540**, and **31, 23.279, 241.186** is the 20% darker color. If you saturate the color by 10%, you get **50, 30.183, 228.369**, and if you desaturate by 10%, it is **51, 29.418, 225.041**.

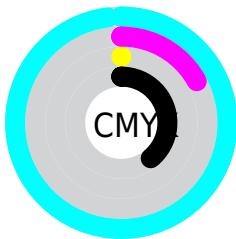
Distribution



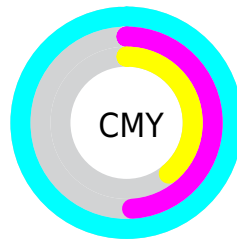
- Red (1%)
- Green (51%)
- Blue (61%)



- Red (1%)
- Yellow (28%)
- Blue (61%)



- Cyan (98%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)





- Cyan (99%)
- Magenta (49%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 30.082, 227.909 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, 30.082, 227.909 by changing the saturation by 10% instead.


 50, 30.082,
227.909


 50, 30.082,
227.909


 100, 30.082,
227.909


 40, 30.082,
227.909


 70, 30.082,
227.909

 30, 30.082,
227.909


 80, 30.082,
227.909


 20, 30.082,
227.909

 90, 30.082,
227.909

 10, 30.082,
227.909

 0, 30.082, 227.909

 50, 30.082,
227.909

 50, 30.082,
227.909

■ 50, 30.183,
228.369

■ 51, 29.418,
225.041

■ 52, 28.282,
222.638

■ 53, 26.532,
220.732

■ 55, 24.145,
219.256

■ 56, 21.143,
218.141

■ 58, 17.580,
217.323

■ 59, 13.526,
216.747

■ 61, 9.058, 216.371

■ 63, 4.252, 216.187

Harmonies

Complementary

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



50, 30.082, 227.909



34, 68.210, 42.544

Rectangle

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



50, 30.082, 227.909



50, 30.082, 277.909



50, 30.082, 47.909



50, 30.082, 97.909

Sweetspot

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



50, 30.081, 227.909



75, 17.619, 216.854



56, 78.363, 138.283



39, 11.813, 217.071



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 30.081, 227.909



64, 36.813, 229.089



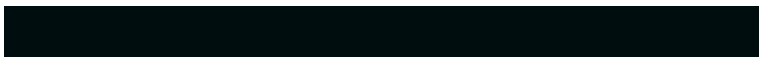
27, 65.729, 295.616



33, 2.883, 216.193



46, 28.274, 228.091



3, 3.793, 219.373

Inverse Universe

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



35, 70.107, 336.088



47, 85.528, 336.406



48, 56.722, 76.369



31, 5.430, 329.997



32, 65.939, 336.145



1, 6.913, 330.490

Previews

White Background



This preview shows how the CIE LCh color 50, 30.082, 227.909 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, 30.082, 227.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

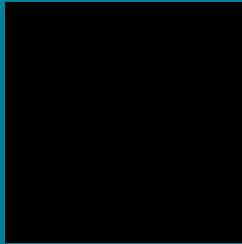
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 30.082, 227.909

Background



This preview shows how black text looks on a background with the CIELCh color 50, 30.082, 227.909.

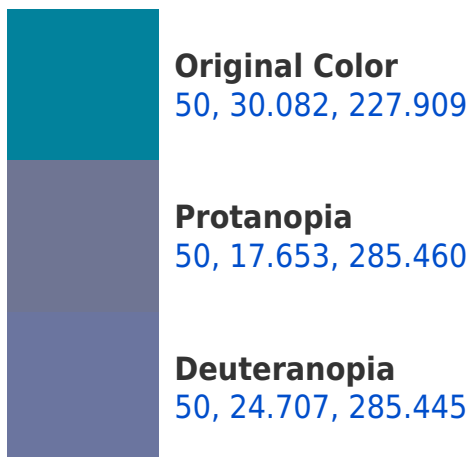


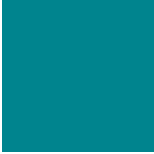
This preview shows how white text looks on a background with the CIELCh color 50, 30.082, 227.909.

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





Tritanopia
50, 29.689, 208.154

Trichromacy



Original Color
50, 30.082, 227.909

Protanomaly
49, 22.079, 246.952

Deuteranomaly
49, 25.645, 254.593

Tritanomaly
50, 29.410, 215.625

Monochromacy



Original Color
50, 30.082, 227.909

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 16.735, 216.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 30.082, 227.909 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(2, 130, 156)` looks like.

```
.text, #text, p{  
    color:rgb(2, 130, 156)  
}
```

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(2, 130, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 130, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 30.082, 227.909 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(2, 130, 156) }
```

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

```
.border{ border-color:rgb(2, 130, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 130, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 130, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 130, 156);  
box-shadow:4px 4px 4px 4px rgb(2, 130,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 30.082, 227.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 130, 156) }
```

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

```
.background{ background-color: rgb(2, 130,  
156) }
```

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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