

Converting Colors

CIELCh(48, 29.076, 230.882)

Have a look what the booklet for
CIELCh(48, 29.076, 230.882)
contains.

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Color

CIELCh(48, 29.034, 230.939)

Conversions

Conversions Part 1

Format	Color
Hex	0C7C97
RGB	12, 124, 151
RGB Percent	5%, 49%, 59%
CMY	0.9536, 0.5128, 0.4069
CMYK	0.92, 0.18, 0.00, 0.41
HSL	192°, 85%, 32%
HSV	192°, 92%, 59%
XYZ	12.9926, 16.7945, 31.9402
YIQ	93.5900, -75.4190, -15.3470

Conversions

Conversions Part 2

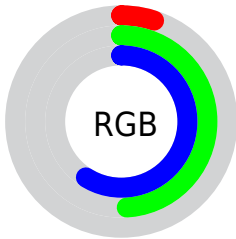
Format	Color
R_{YB}	12, 74, 151
Decimal	818327
CIE _{Lab}	48.00, -18.30, -22.54
CIE _{LCh}	48, 29.034, 230.939
Yxy	16.7945, 0.2105, 0.2721
Android (android.graphics.Color)	4279008407 (0xFF0C7C97)
YUV	93.5900, 28.3031, -71.5544
Hunter-Lab	40.9810, -15.1253, -17.5233

Details

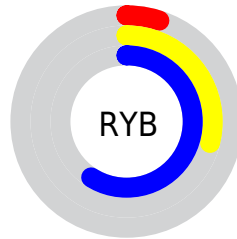
The CIELCh color **48, 29.034, 230.939** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **34, 61.942, 42.847**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 28.871, 230.353**, and **29, 22.692, 243.293** is the 20% darker color. If you saturate the color by 10%, you get **47, 29.636, 233.542**, and if you desaturate by 10%, it is **49, 28.009, 227.935**.

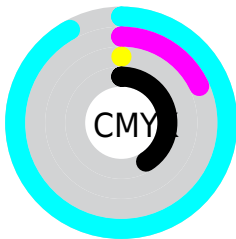
Distribution



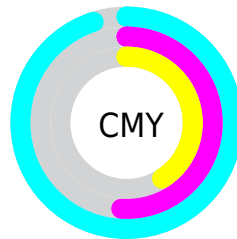
- Red (5%)
- Green (49%)
- Blue (59%)



- Red (5%)
- Yellow (29%)
- Blue (59%)



- Cyan (92%)
- Magenta (18%)
- Yellow (0%)
- Black (41%)



- Cyan (95%)
- Magenta (51%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 29.034, 230.939 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 48, 29.034, 230.939 by changing the saturation by 10% instead.


 48, 29.034,
230.939


 48, 29.034,
230.939


 100, 29.034,
230.939


 38, 29.034,
230.939

 68, 29.034,
230.939


 28, 29.034,
230.939

 78, 29.034,
230.939

 18, 29.034,
230.939

 88, 29.034,
230.939

 8, 29.034, 230.939

 98, 29.034,
230.939

 0, 29.034, 230.939

 48, 29.034,

 48, 29.034,

230.939

■ 47, 29.636,
233.542

230.939

■ 49, 28.009,
227.935

■ 50, 26.445,
225.506

■ 52, 24.297,
223.586

■ 53, 21.568,
222.100

■ 55, 18.295,
220.973

■ 56, 14.539,
220.137

■ 58, 10.370,
219.540

■ 60, 5.859, 219.148

Harmonies

Complementary

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



48, 29.034, 230.939



34, 61.942, 42.847

Rectangle

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



48, 29.034, 230.939



48, 29.034, 280.939



48, 29.034, 50.939



48, 29.034, 100.939

Sweetspot

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



48, 29.033, 230.939



73, 15.857, 219.896



54, 73.324, 139.543



38, 10.875, 220.165



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 29.033, 230.939



60, 36.000, 234.371



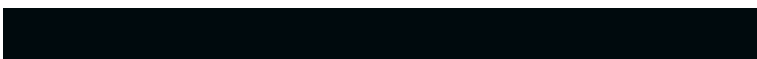
27, 61.213, 294.389



31, 2.765, 219.076



44, 28.035, 233.266



2, 3.036, 220.333

Inverse Universe

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



35, 66.484, 336.848



45, 81.620, 337.825



48, 53.772, 79.275



30, 5.193, 330.836



31, 63.926, 337.522



1, 5.524, 330.779

Previews

White Background



This preview shows how the CIELCh color 48, 29.034, 230.939 looks on a white 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

Black Background



This preview shows how the CIELCh color 48, 29.034, 230.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

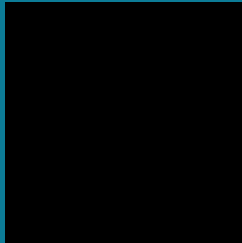
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 29.034, 230.939

Background



This preview shows how black text looks on a background with the CIELCh color 48, 29.034, 230.939.

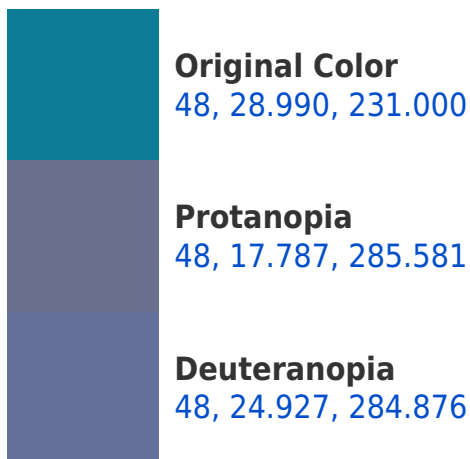



This preview shows how white text looks on a background with the CIELCh color 48, 29.034, 230.939.

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
48, 28.691, 208.673

Trichromacy



Original Color
48, 28.990, 231.000

Protanomaly
47, 21.549, 251.859

Deuteranomaly
47, 25.401, 258.870

Tritanomaly
48, 28.345, 217.877

Monochromacy



Original Color
48, 28.990, 231.000

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 15.285, 221.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 29.034, 230.939 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(12, 124, 151)` looks like.

```
.text, #text, p{  
    color:rgb(12, 124, 151)  
}
```

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(12, 124, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 124, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 29.034, 230.939 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(12, 124, 151) }
```

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

```
.border{ border-color:rgb(12, 124, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 124, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 124, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 124, 151);  
box-shadow:4px 4px 4px 4px rgb(12, 124,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 29.034, 230.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 124, 151) }
```

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

```
.background{ background-color: rgb(12, 124,  
151) }
```

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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