

Converting Colors

CIELCh(48, 29.241, 226.279)

Have a look what the booklet for
CIELCh(48, 29.241, 226.279)
contains.

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Color

CIELCh(48, 29.168, 226.478)

Conversions

Conversions Part 1

Format	Color
Hex	007D95
RGB	0, 125, 149
RGB Percent	0%, 49%, 58%
CMY	1.0000, 0.5103, 0.4162
CMYK	1.00, 0.16, 0.00, 0.42
HSL	190°, 100%, 29%
HSV	190°, 100%, 58%
XYZ	12.7235, 16.7945, 30.9454
YIQ	90.3610, -82.2040, -19.0360

Conversions

Conversions Part 2

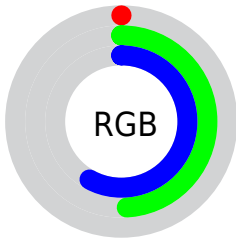
Format	Color
R _Y B	0, 68, 149
Decimal	32149
CIE Lab	48.00, -20.09, -21.15
CIE LCh	48, 29.168, 226.478
Yxy	16.7945, 0.2104, 0.2778
Android (android.graphics.Color)	4278222229 (0xFF007D95)
YUV	90.3610, 28.9090, -79.2466
Hunter-Lab	40.9810, -16.2973, -16.0841

Details

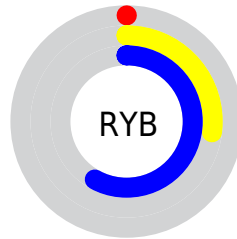
The CIELCh color **48, 29.168, 226.478** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **32, 66.781, 42.502**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 29.230, 225.981**, and **30, 21.939, 238.022** is the 20% darker color. If you saturate the color by 10%, you get **48, 29.147, 226.501**, and if you desaturate by 10%, it is **49, 28.544, 223.803**.

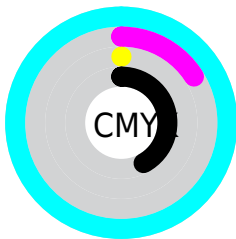
Distribution



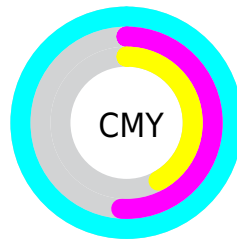
- Red (0%)
- Green (49%)
- Blue (58%)



- Red (0%)
- Yellow (27%)
- Blue (58%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (51%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 29.168, 226.478 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, 29.168, 226.478 by changing the saturation by 10% instead.


 48, 29.168,
226.478

 48, 29.168,
226.478

 100, 29.168,
226.478

 38, 29.168,
226.478

 68, 29.168,
226.478

 28, 29.168,
226.478

 78, 29.168,
226.478

 18, 29.168,
226.478

 88, 29.168,
226.478

 8, 29.168, 226.478

 98, 29.168,
226.478

 0, 29.168, 226.478

 48, 29.168,

 48, 29.168,

226.478

226.478

■ 48, 29.147,
226.501

■ 49, 28.544,
223.803

■ 50, 27.548,
221.481

■ 51, 25.959,
219.638

■ 52, 23.751,
218.210

■ 53, 20.942,
217.134

■ 55, 17.580,
216.347

■ 56, 13.731,
215.797

■ 58, 9.470, 215.443

Harmonies

Complementary

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



48, 29.168, 226.478



32, 66.781, 42.502

Rectangle

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



48, 29.168, 226.478



48, 29.168, 276.478



48, 29.168, 46.478



48, 29.168, 96.478

Sweetspot

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



48, 29.147, 226.501



72, 16.987, 215.825



54, 76.673, 137.866



37, 11.387, 216.013



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



48, 29.147, 226.501



62, 35.416, 227.203



26, 62.599, 294.988



30, 2.742, 215.263



45, 27.541, 226.263



2, 2.455, 215.092

Inverse Universe

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



34, 68.350, 335.734



44, 82.856, 335.915



45, 55.224, 74.623



29, 5.166, 329.720



31, 64.632, 335.673



1, 4.491, 329.207

Previews

White Background



This preview shows how the CIELCh color 48, 29.168, 226.478 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, 29.168, 226.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

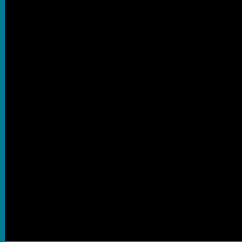
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 29.168, 226.478

Background



This preview shows how black text looks on a background with the CIELCh color 48, 29.168, 226.478.

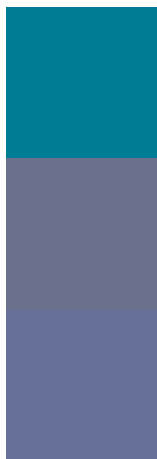


This preview shows how white text looks on a background with the CIELCh color 48, 29.168, 226.478.

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


48, 29.168, 226.478

Protanopia

48, 16.588, 286.105

Deuteranopia

48, 23.699, 285.818



Tritanopia
48, 28.691, 208.673

Trichromacy



Original Color
48, 29.168, 226.478

Protanomaly
47, 21.221, 245.222

Deuteranomaly
47, 24.600, 253.906

Tritanomaly
48, 28.631, 215.021

Monochromacy



Original Color
48, 29.168, 226.478

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 16.370, 215.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 29.168, 226.478 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, 125, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 149)  
}
```

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, 125, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 29.168, 226.478 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, 125, 149) }
```

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

```
.border{ border-color:rgb(0, 125, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 29.168, 226.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 149) }
```

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

```
.background{ background-color: rgb(0, 125,  
149) }
```

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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