

Converting Colors

CIELCh(48, 29.007, 227.113)

Have a look what the booklet for
CIELCh(48, 29.007, 227.113)
contains.

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Color

CIELCh(48, 28.996, 226.683)

Conversions

Conversions Part 1

Format	Color
Hex	037D95
RGB	3, 125, 149
RGB Percent	1%, 49%, 58%
CMY	0.9873, 0.5107, 0.4166
CMYK	0.98, 0.16, 0.00, 0.42
HSL	190°, 96%, 30%
HSV	190°, 98%, 58%
XYZ	12.7525, 16.7945, 30.9077
YIQ	91.2580, -80.4160, -18.4000

Conversions

Conversions Part 2

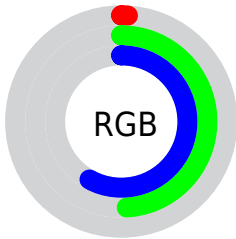
Format	Color
RYB	3, 69, 149
Decimal	228757
CIELab	48.00, -19.89, -21.10
CIELCh	48, 28.996, 226.683
Yxy	16.7945, 0.2109, 0.2778
Android (android.graphics.Color)	4278418837 (0xFF037D95)
YUV	91.2580, 28.4668, -77.4023
Hunter-Lab	40.9810, -16.1712, -16.0295

Details

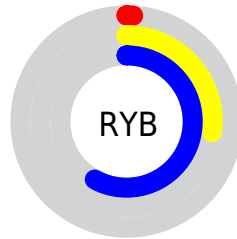
The CIELCh color **48, 28.996, 226.683** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **32, 65.374, 42.300**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 29.057, 226.178**, and **30, 21.939, 238.022** is the 20% darker color. If you saturate the color by 10%, you get **48, 29.131, 227.286**, and if you desaturate by 10%, it is **49, 28.338, 223.953**.

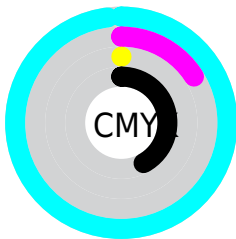
Distribution



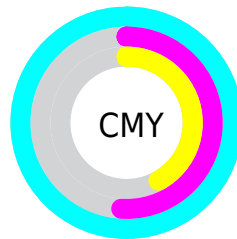
- Red (1%)
- Green (49%)
- Blue (58%)



- Red (1%)
- Yellow (27%)
- Blue (58%)



- Cyan (98%)
- Magenta (16%)
- Yellow (0%)
- Black (42%)



- Cyan (99%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.996, 226.683 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, 28.996, 226.683 by changing the saturation by 10% instead.

 48, 28.996,
226.683

 48, 28.996,
226.683


 100, 28.996,
226.683

 38, 28.996,
226.683

 68, 28.996,
226.683

 28, 28.996,
226.683

 78, 28.996,
226.683

 18, 28.996,
226.683

 88, 28.996,
226.683

 8, 28.996, 226.683

 98, 28.996,
226.683

 0, 28.996, 226.683

 48, 28.996,

 48, 28.996,

226.683

■ 48, 29.131,
227.286

226.683

■ 49, 28.338,
223.953

■ 50, 27.207,
221.680

■ 51, 25.478,
219.883

■ 52, 23.135,
218.496

■ 54, 20.203,
217.453

■ 55, 16.734,
216.693

■ 57, 12.797,
216.165

■ 58, 8.467, 215.828

Harmonies

Complementary

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



48, 28.996, 226.683



32, 65.374, 42.300

Rectangle

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



48, 28.996, 226.683



48, 28.996, 276.683



48, 28.996, 46.683



48, 28.996, 96.683

Sweetspot

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



48, 28.995, 226.683



72, 16.446, 216.243



54, 75.883, 138.088



37, 11.088, 216.437



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, 28.995, 226.683



61, 35.417, 228.007



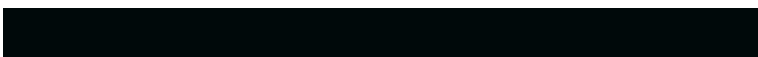
26, 61.074, 294.277



30, 2.736, 215.687



44, 27.536, 227.043



2, 2.449, 215.500

Inverse Universe

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



34, 67.823, 335.766



44, 82.623, 336.124



46, 54.467, 75.066



29, 5.152, 329.843



31, 64.455, 335.874



1, 4.479, 329.329

Previews

White Background



This preview shows how the CIELCh color 48, 28.996, 226.683 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, 28.996, 226.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

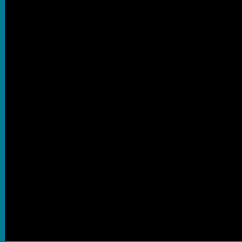
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.996, 226.683

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.996, 226.683.

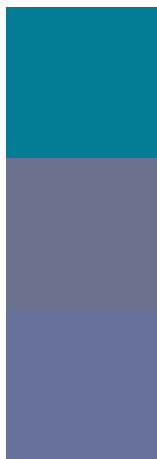


This preview shows how white text looks on a background with the CIELCh color 48, 28.996, 226.683.

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, 29.039, 226.631

Protanopia

48, 16.588, 286.105

Deuteranopia

48, 23.699, 285.818



Tritanopia
48, 28.691, 208.673

Trichromacy



Original Color
48, 29.039, 226.631

Protanomaly
47, 21.050, 245.733

Deuteranomaly
47, 24.466, 254.366

Tritanomaly
48, 28.582, 215.058

Monochromacy



Original Color
48, 29.039, 226.631

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 15.943, 217.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.996, 226.683 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(3, 125, 149)` looks like.

```
.text, #text, p{  
    color:rgb(3, 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(3, 125, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 125, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.996, 226.683 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(3, 125, 149) }
```

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

```
.border{ border-color:rgb(3, 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(3, 125, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 125, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 125, 149);  
box-shadow:4px 4px 4px 4px rgb(3, 125,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.996, 226.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 125, 149) }
```

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

```
.background{ background-color: rgb(3, 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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