

Converting Colors

CIELCh(48, 28.350, 225.947)

Have a look what the booklet for
CIELCh(48, 28.350, 225.947)
contains.

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Color

CIELCh(48, 28.414, 225.981)

Conversions

Conversions Part 1

Format	Color
Hex	0D7D94
RGB	13, 125, 148
RGB Percent	5%, 49%, 58%
CMY	0.9490, 0.5111, 0.4210
CMYK	0.91, 0.16, 0.00, 0.42
HSL	190°, 84%, 32%
HSV	190°, 91%, 58%
XYZ	12.7745, 16.7945, 30.4418
YIQ	94.1340, -74.1350, -16.5910

Conversions

Conversions Part 2

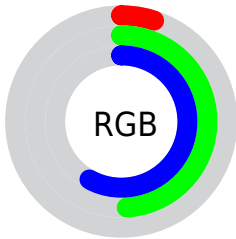
Format	Color
RYB	13, 74, 148
Decimal	884116
CIELab	48.00, -19.74, -20.43
CIElCh	48, 28.414, 225.981
Yxy	16.7945, 0.2129, 0.2799
Android (android.graphics.Color)	4279074196 (0xFF0D7D94)
YUV	94.1340, 26.5559, -71.1545
Hunter-Lab	40.9810, -16.0751, -15.3554

Details

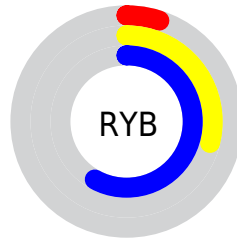
The CIELCh color **48, 28.414, 225.981** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **33, 60.765, 41.823**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 28.367, 225.676**, and **29, 21.683, 236.330** is the 20% darker color. If you saturate the color by 10%, you get **47, 28.975, 228.517**, and if you desaturate by 10%, it is **49, 27.454, 223.438**.

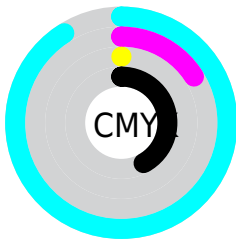
Distribution



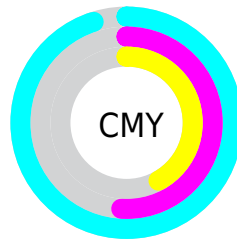
- Red (5%)
- Green (49%)
- Blue (58%)



- Red (5%)
- Yellow (29%)
- Blue (58%)



- Cyan (91%)
- Magenta (16%)
- Yellow (0%)
- Black (42%)




- Cyan (95%)
- Magenta (51%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 28.414, 225.981 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, 28.414, 225.981 by changing the saturation by 10% instead.

 48, 28.414,
225.981


 48, 28.414,
225.981


 100, 28.414,
225.981

 38, 28.414,
225.981

 68, 28.414,
225.981


 28, 28.414,
225.981

 78, 28.414,
225.981

 18, 28.414,
225.981

 88, 28.414,
225.981

 8, 28.414, 225.981

 98, 28.414,
225.981

 0, 28.414, 225.981

 48, 28.414,

 48, 28.414,

225.981

■ 47, 28.975,
228.517

225.981

■ 49, 27.454,
223.438

■ 50, 25.925,
221.405

■ 51, 23.792,
219.818

■ 53, 21.069,
218.609

■ 54, 17.797,
217.712

■ 56, 14.042,
217.070

■ 57, 9.874, 216.637

■ 59, 5.367, 216.389

Harmonies

Complementary

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



48, 28.414, 225.981



33, 60.765, 41.823

Rectangle

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



48, 28.414, 225.981



48, 28.414, 275.981



48, 28.414, 45.981



48, 28.414, 95.981

Sweetspot

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



48, 28.413, 225.981



72, 15.208, 216.889



53, 72.214, 139.324



37, 10.215, 217.039



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, 28.413, 225.981



60, 35.083, 229.256



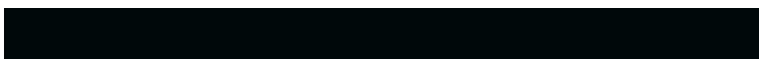
27, 57.759, 292.975



30, 2.725, 216.365



44, 27.537, 228.289



2, 2.439, 216.154

Inverse Universe

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



34, 66.219, 335.538



44, 81.455, 336.450



47, 52.297, 78.030



29, 5.131, 330.041



31, 64.174, 336.197



1, 4.460, 329.524

Previews

White Background



This preview shows how the CIELCh color 48, 28.414, 225.981 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, 28.414, 225.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

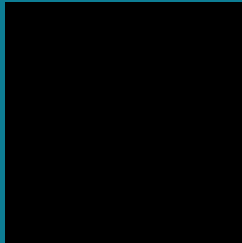
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.414, 225.981

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.414, 225.981.

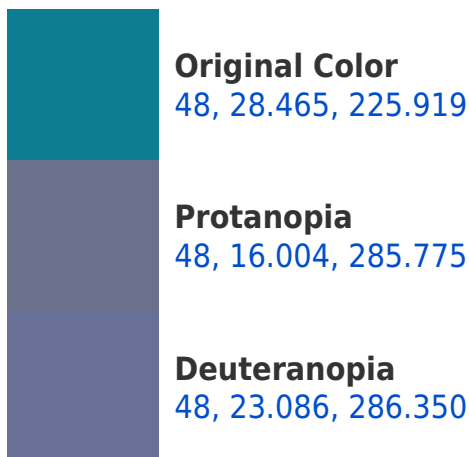



This preview shows how white text looks on a background with the CIELCh color 48, 28.414, 225.981.

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, 28.465, 225.919

Protanomaly
47, 19.990, 246.544

Deuteranomaly
47, 23.500, 255.262

Tritanomaly
48, 28.370, 213.924

Monochromacy



Original Color
48, 28.465, 225.919

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 14.878, 219.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.414, 225.981 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(13, 125, 148)` looks like.

```
.text, #text, p{  
    color:rgb(13, 125, 148)  
}
```

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(13, 125, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 125, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.414, 225.981 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(13, 125, 148) }
```

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

```
.border{ border-color:rgb(13, 125, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 125, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 125, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 125, 148);  
box-shadow:4px 4px 4px 4px rgb(13, 125,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.414, 225.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 125, 148) }
```

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

```
.background{ background-color: rgb(13, 125,  
148) }
```

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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