

Converting Colors

CIELCh(50, 28.888, 217.297)

Have a look what the booklet for
CIELCh(50, 28.888, 217.297)
contains.

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Color

CIELCh(50, 28.888, 217.297)

Conversions

Conversions Part 1

Format	Color
Hex	0D8394
RGB	13, 131, 148
RGB Percent	5%, 51%, 58%
CMY	0.9504, 0.4867, 0.4201
CMYK	0.91, 0.11, 0.00, 0.42
HSL	188°, 84%, 31%
HSV	188°, 91%, 58%
XYZ	13.5974, 18.4187, 30.8064
YIQ	97.6560, -75.7850, -19.7290

Conversions

Conversions Part 2

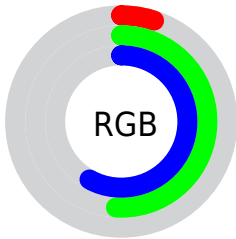
Format	Color
RYB	13, 76, 148
Decimal	885652
CIELab	50.00, -22.98, -17.50
CIElCh	50, 28.888, 217.297
Yxy	18.4187, 0.2164, 0.2932
Android (android.graphics.Color)	4279075732 (0xFF0D8394)
YUV	97.6560, 24.8196, -74.2433
Hunter-Lab	42.9170, -18.5506, -12.5174

Details

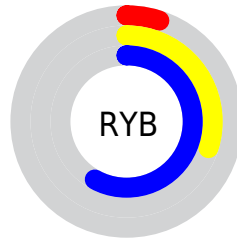
The CIELCh color **50, 28.888, 217.297** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **32, 62.189, 40.208**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 28.899, 217.598**, and **31, 21.456, 225.753** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.296, 219.024**, and if you desaturate by 10%, it is **51, 28.050, 215.530**.

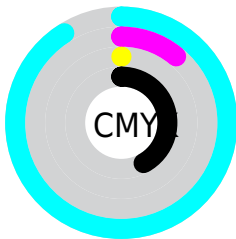
Distribution



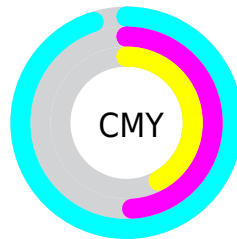
- Red (5%)
- Green (51%)
- Blue (58%)



- Red (5%)
- Yellow (30%)
- Blue (58%)



- Cyan (91%)
- Magenta (11%)
- Yellow (0%)
- Black (42%)



- Cyan (95%)
- Magenta (49%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 28.888, 217.297 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, 28.888, 217.297 by changing the saturation by 10% instead.

 50, 28.888,
217.297


 50, 28.888,
217.297


 100, 28.888,
217.297


 40, 28.888,
217.297


 70, 28.888,
217.297

 30, 28.888,
217.297

 80, 28.888,
217.297

 20, 28.888,
217.297

 90, 28.888,
217.297

 10, 28.888,
217.297

 0, 28.888, 217.297

 50, 28.888,
217.297

 50, 28.888,
217.297

■ 49, 29.296,
219.024

■ 51, 28.050,
215.530

■ 52, 26.593,
214.144

■ 53, 24.487,
213.091

■ 54, 21.750,
212.322

■ 55, 18.428,
211.791

■ 56, 14.588,
211.458

■ 58, 10.308,
211.288

■ 59, 5.664, 211.267

■ 61, 0.731, 211.840

Harmonies

Complementary

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



50, 28.888, 217.297



32, 62.189, 40.208

Rectangle

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



50, 28.888, 217.297



50, 28.888, 267.297



50, 28.888, 37.297



50, 28.888, 87.297

Sweetspot

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



50, 28.887, 217.296



72, 15.678, 211.373



53, 74.279, 138.217



38, 10.527, 211.438



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



50, 28.887, 217.296



63, 35.379, 219.543



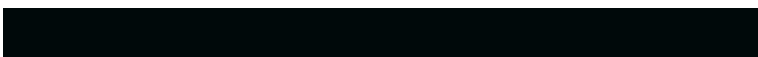
29, 53.369, 289.722



30, 2.813, 211.288



46, 27.823, 218.859



2, 2.519, 211.263

Inverse Universe

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



34, 68.530, 333.352



44, 84.333, 333.979



45, 52.094, 73.460



29, 5.296, 328.564



31, 66.386, 333.810



1, 4.605, 328.062

Previews

White Background



This preview shows how the CIE LCh color 50, 28.888, 217.297 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, 28.888, 217.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

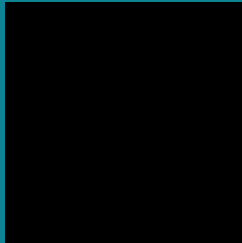
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 28.888, 217.297

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.888, 217.297.

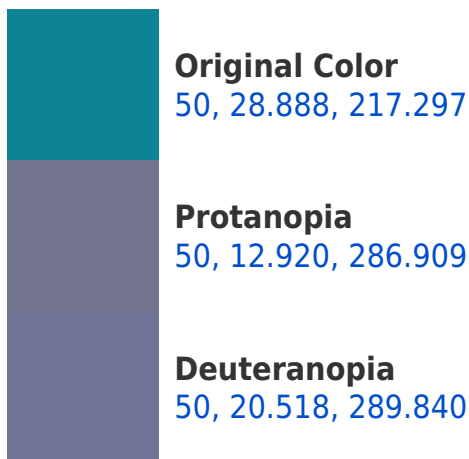



This preview shows how white text looks on a background with the CIELCh color 50, 28.888, 217.297.

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, 28.888, 217.297

Protanomaly
49, 18.488, 238.028

Deuteranomaly
49, 21.494, 251.472

Tritanomaly
50, 29.378, 210.718

Monochromacy



Original Color
50, 28.888, 217.297

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 15.503, 213.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.888, 217.297 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, 131, 148)` looks like.

```
.text, #text, p{  
    color:rgb(13, 131, 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, 131, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 131, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.888, 217.297 is called "border". The border property can be set on classes, ids or directly on the HTML element.

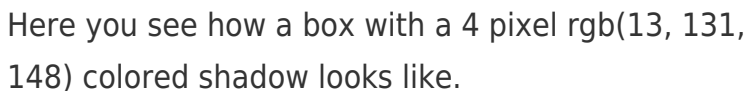
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(13, 131, 148) }
```

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

```
.border{ border-color:rgb(13, 131, 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, 131, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 131, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 131, 148);  
box-shadow:4px 4px 4px 4px rgb(13, 131,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.888, 217.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 131, 148) }
```

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

```
.background{ background-color: rgb(13, 131,  
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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