

Converting Colors

CIELCh(49, 28.543, 222.040)

Have a look what the booklet for
CIELCh(49, 28.543, 222.040)
contains.

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Color

CIELCh(49, 28.550, 221.609)

Conversions

Conversions Part 1

Format	Color
Hex	0D8094
RGB	13, 128, 148
RGB Percent	5%, 50%, 58%
CMY	0.9478, 0.4990, 0.4206
CMYK	0.91, 0.14, 0.00, 0.42
HSL	189°, 83%, 32%
HSV	189°, 91%, 58%
XYZ	13.1841, 17.5941, 30.6166
YIQ	95.8950, -74.9600, -18.1600

Conversions

Conversions Part 2

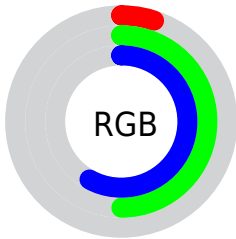
Format	Color
RYB	13, 75, 148
Decimal	884884
CIELab	49.00, -21.35, -18.96
CIELCh	49, 28.550, 221.609
Yxy	17.5941, 0.2147, 0.2866
Android (android.graphics.Color)	4279074964 (0xFF0D8094)
YUV	95.8950, 25.6878, -72.6989
Hunter-Lab	41.9453, -17.2987, -13.9151

Details

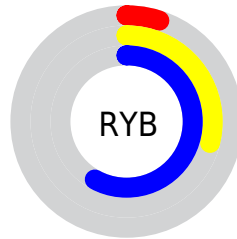
The CIELCh color **49, 28.550, 221.609** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 61.267, 40.955**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 28.567, 221.587**, and **30, 21.511, 232.096** is the 20% darker color. If you saturate the color by 10%, you get **48, 29.040, 223.825**, and if you desaturate by 10%, it is **50, 27.646, 219.459**.

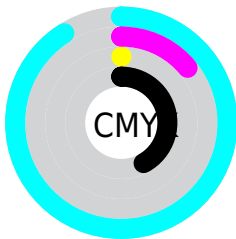
Distribution



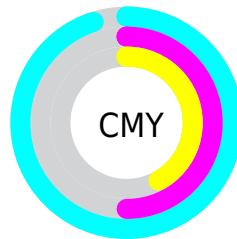
- Red (5%)
- Green (50%)
- Blue (58%)



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



- Cyan (91%)
- Magenta (14%)
- Yellow (0%)
- Black (42%)



- Cyan (95%)
- Magenta (50%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.550, 221.609 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 49, 28.550, 221.609 by changing the saturation by 10% instead.

 49, 28.550,
221.609

 49, 28.550,
221.609

 100, 28.550,
221.609

 39, 28.550,
221.609

 69, 28.550,
221.609

 29, 28.550,
221.609

 79, 28.550,
221.609

 19, 28.550,
221.609

 89, 28.550,
221.609

 9, 28.550, 221.609

 99, 28.550,
221.609

 0, 28.550, 221.609

 49, 28.550,

 49, 28.550,

221.609

■ 48, 29.040,
223.825

221.609

■ 50, 27.646,
219.459

■ 51, 26.144,
217.756

■ 52, 24.015,
216.443

■ 53, 21.274,
215.461

■ 55, 17.967,
214.752

■ 56, 14.162,
214.269

■ 58, 9.933, 213.972

■ 59, 5.354, 213.843

Harmonies

Complementary

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



49, 28.550, 221.609



33, 61.267, 40.955

Rectangle

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



49, 28.550, 221.609



49, 28.550, 271.609



49, 28.550, 41.609



49, 28.550, 91.609

Sweetspot

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



49, 28.549, 221.608



72, 15.421, 214.147



53, 73.448, 138.613



37, 10.356, 214.255



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 28.549, 221.608



62, 35.113, 224.458



29, 54.573, 290.726



30, 2.766, 213.841



45, 27.592, 223.627



2, 2.476, 213.722

Inverse Universe

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



34, 67.273, 334.424



44, 82.842, 335.212



46, 51.983, 75.071



29, 5.212, 329.306



31, 65.241, 335.002



1, 4.531, 328.798

Previews

White Background



This preview shows how the CIE LCh color 49, 28.550, 221.609 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 49, 28.550, 221.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

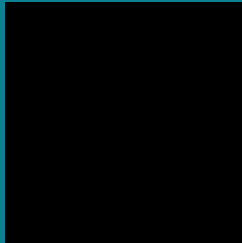
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.550, 221.609

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.550, 221.609.



This preview shows how white text looks on a background with the CIELCh color 49, 28.550, 221.609.

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
49, 29.191, 208.408

Trichromacy



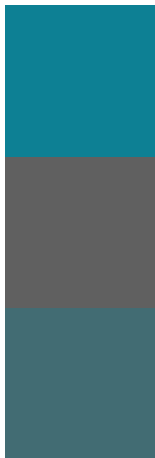
Original Color
49, 28.603, 221.556

Protanomaly
48, 19.119, 241.338

Deuteranomaly
48, 22.489, 253.417

Tritanomaly
49, 28.865, 212.286

Monochromacy



Original Color
49, 28.603, 221.556

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 15.224, 214.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.550, 221.609 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, 128, 148)` looks like.

```
.text, #text, p{  
    color:rgb(13, 128, 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, 128, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 128, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.550, 221.609 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, 128, 148) }
```

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

```
.border{ border-color:rgb(13, 128, 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, 128, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 128, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 128, 148);  
box-shadow:4px 4px 4px 4px rgb(13, 128,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.550, 221.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 128, 148) }
```

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

```
.background{ background-color: rgb(13, 128,  
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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