

Converting Colors

CIELCh(49, 26.890, 217.983)

Have a look what the booklet for
CIELCh(49, 26.890, 217.983)
contains.

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Color

CIELCh(49, 26.992, 217.642)

Conversions

Conversions Part 1

Format	Color
Hex	1D8090
RGB	29, 128, 144
RGB Percent	11%, 50%, 56%
CMY	0.8851, 0.4997, 0.4370
CMYK	0.80, 0.11, 0.00, 0.44
HSL	188°, 66%, 34%
HSV	188°, 80%, 56%
XYZ	13.1800, 17.5941, 28.9150
YIQ	100.2230, -64.1400, -16.0120

Conversions

Conversions Part 2

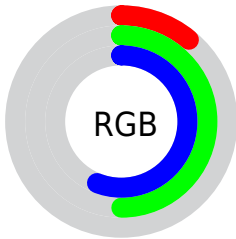
Format	Color
R_{YB}	29, 82, 144
Decimal	1933456
CIE _{Lab}	49.00, -21.37, -16.48
CIE _{LCh}	49, 26.992, 217.642
Yxy	17.5941, 0.2208, 0.2948
Android (android.graphics.Color)	4280123536 (0xFF1D8090)
YUV	100.2230, 21.5821, -62.4626
Hunter-Lab	41.9453, -17.3160, -11.5099

Details

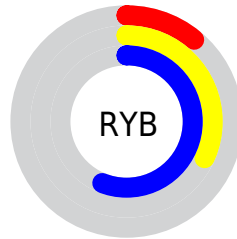
The CIELCh color **49, 26.992, 217.642** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 52.094, 38.797**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 27.185, 217.821**, and **30, 20.984, 226.687** is the 20% darker color. If you saturate the color by 10%, you get **48, 27.947, 219.562**, and if you desaturate by 10%, it is **50, 25.435, 216.132**.

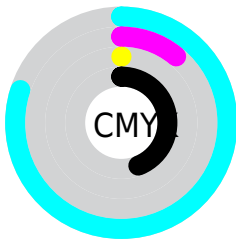
Distribution



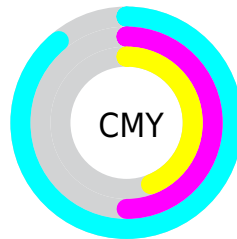
- Red (11%)
- Green (50%)
- Blue (56%)



- Red (11%)
- Yellow (32%)
- Blue (56%)



- Cyan (80%)
- Magenta (11%)
- Yellow (0%)
- Black (44%)





- Cyan (89%)
- Magenta (50%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 26.992, 217.642 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, 26.992, 217.642 by changing the saturation by 10% instead.


 49, 26.992,
217.642


 49, 26.992,
217.642


 100, 26.992,
217.642

 39, 26.992,
217.642

 69, 26.992,
217.642

 29, 26.992,
217.642

 79, 26.992,
217.642

 19, 26.992,
217.642

 89, 26.992,
217.642

 9, 26.992, 217.642

 99, 26.992,
217.642

 0, 26.992, 217.642

 49, 26.992,

 49, 26.992,

217.642

■ 48, 27.947,
219.562

■ 47, 28.486,
221.816

■ 47, 28.508,
221.906

217.642

■ 50, 25.435,
216.132

■ 51, 23.260,
214.979

■ 52, 20.487,
214.129

■ 54, 17.166,
213.529

■ 55, 13.364,
213.136

■ 56, 9.155, 212.915

■ 58, 4.612, 212.856

■ 60, 0.196, 30.551

■ 61, 5.208, 32.754

Harmonies

Complementary

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



49, 26.992, 217.642



34, 52.094, 38.797

Rectangle

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



49, 26.992, 217.642



49, 26.992, 267.642



49, 26.992, 37.642



49, 26.992, 87.642

Sweetspot

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



49, 26.991, 217.641



71, 13.638, 213.003



52, 66.188, 140.227



37, 9.338, 213.082



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 26.991, 217.641



61, 34.315, 221.516



31, 46.097, 286.456



29, 2.703, 212.858



45, 27.290, 221.744



1, 1.869, 212.775

Inverse Universe

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



35, 62.933, 333.272



43, 81.306, 334.448



46, 46.041, 77.351



28, 5.093, 329.017



30, 64.801, 334.528



1, 3.419, 328.515

Previews

White Background



This preview shows how the CIELCh color 49, 26.992, 217.642 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, 26.992, 217.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

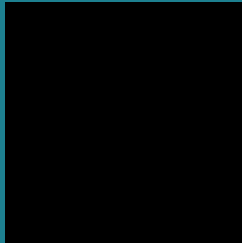
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 26.992, 217.642

Background



This preview shows how black text looks on a background with the CIELCh color 49, 26.992, 217.642.

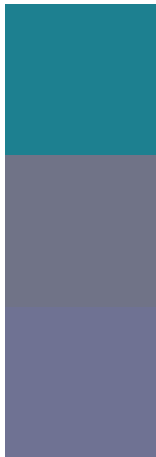


This preview shows how white text looks on a background with the CIELCh color 49, 26.992, 217.642.

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


49, 27.096, 217.551

Protanopia

49, 11.792, 286.261

Deuteranopia

49, 19.412, 289.539



Tritanopia
49, 27.488, 210.598

Trichromacy



Original Color
49, 27.096, 217.551

Protanomaly
48, 16.368, 239.033

Deuteranomaly
48, 19.720, 252.854

Tritanomaly
49, 27.294, 213.351

Monochromacy



Original Color
49, 27.096, 217.551

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 13.387, 213.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 26.992, 217.642 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(29, 128, 144)` looks like.

```
.text, #text, p{  
    color:rgb(29, 128, 144)  
}
```

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(29, 128, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 128, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 26.992, 217.642 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(29, 128, 144) }
```

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

```
.border{ border-color:rgb(29, 128, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 128, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 128, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 128, 144);  
box-shadow:4px 4px 4px 4px rgb(29, 128,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 26.992, 217.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 128, 144) }
```

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

```
.background{ background-color: rgb(29, 128,  
144) }
```

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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