

Converting Colors

CIELCh(49, 16.887, 201.119)

Have a look what the booklet for
CIELCh(49, 16.887, 201.119)
contains.

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Color

CIELCh(49, 16.876, 201.698)

Conversions

Conversions Part 1

Format	Color
Hex	4C7C7E
RGB	76, 124, 126
RGB Percent	30%, 49%, 49%
CMY	0.7003, 0.5120, 0.5042
CMYK	0.40, 0.02, 0.00, 0.50
HSL	182°, 25%, 40%
HSV	182°, 40%, 50%
XYZ	14.0691, 17.5941, 22.5380
YIQ	109.8760, -29.2500, -9.5540

Conversions

Conversions Part 2

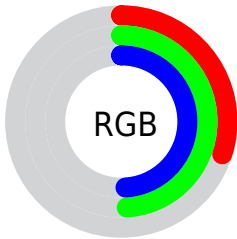
Format	Color
R_{YB}	76, 100, 126
Decimal	5012606
CIE _{Lab}	49.00, -15.68, -6.24
CIE _{LCh}	49, 16.876, 201.698
Yxy	17.5941, 0.2596, 0.3246
Android (android.graphics.Color)	4283202686 (0xFF4C7C7E)
YUV	109.8760, 7.9491, -29.7093
Hunter-Lab	41.9453, -13.5325, -2.4960

Details

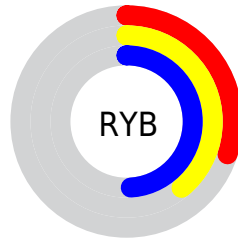
The CIELCh color **49, 16.876, 201.698** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 22.188, 25.824**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 16.842, 201.836**, and **29, 16.865, 201.395** is the 20% darker color. If you saturate the color by 10%, you get **48, 20.155, 201.575**, and if you desaturate by 10%, it is **50, 13.129, 201.906**.

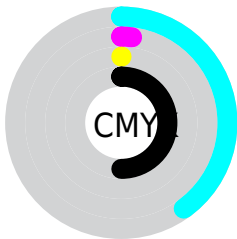
Distribution



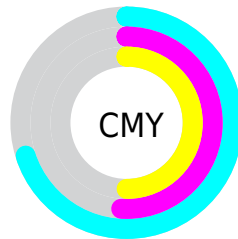
- Red (30%)
- Green (49%)
- Blue (49%)



- Red (30%)
- Yellow (39%)
- Blue (49%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (70%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 16.876, 201.698 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, 16.876, 201.698 by changing the saturation by 10% instead.

■ 49, 16.876,
201.698

■ 49, 16.876,
201.698

■ 100, 16.876,
201.698

■ 39, 16.876,
201.698

■ 69, 16.876,
201.698

■ 29, 16.876,
201.698

■ 79, 16.876,
201.698

■ 19, 16.876,
201.698

■ 89, 16.876,
201.698

■ 9, 16.876, 201.698

■ 99, 16.876,
201.698

■ 0, 16.876, 201.698

■ 49, 16.876,

■ 49, 16.876,

201.698

■ 48, 20.155,
201.575

■ 48, 22.903,
201.557

■ 47, 25.074,
201.653

■ 47, 26.650,
201.875

■ 46, 27.640,
202.231

■ 46, 28.241,
202.678

■ 46, 28.267,
202.698

201.698

■ 50, 13.129,
201.906

■ 51, 8.983, 202.200

■ 52, 4.511, 202.586

■ 53, 0.218, 21.069

■ 54, 5.140, 23.246

■ 56, 10.202, 23.747

■ 57, 15.357, 24.245

■ 59, 20.569, 24.751

■ 60, 25.806, 25.262

Harmonies

Complementary

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



49, 16.876, 201.698



39, 22.188, 25.824

Rectangle

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



49, 16.876, 201.698



49, 16.876, 251.698



49, 16.876, 21.698



49, 16.876, 71.698

Sweetspot

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



49, 16.876, 201.695



65, 6.935, 202.468



48, 34.711, 142.479



34, 4.565, 202.428



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 16.876, 201.695



62, 23.734, 201.586



41, 17.723, 265.430



26, 2.683, 202.606



46, 28.438, 202.704



0, 0.000, 0.000

Inverse Universe

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



40, 34.504, 327.619



48, 49.922, 328.041



45, 19.298, 74.047



25, 4.965, 325.989



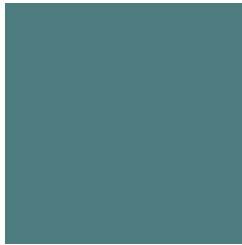
29, 67.064, 329.833



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 16.876, 201.698 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, 16.876, 201.698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

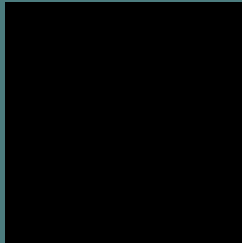
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 16.876, 201.698

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.876, 201.698.



This preview shows how white text looks on a background with the CIELCh color 49, 16.876, 201.698.

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, 16.876, 201.698

Protanopia

49, 3.632, 303.294

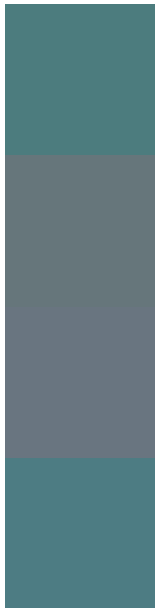
Deuteranopia

49, 9.964, 309.599



Tritanopia
49, 16.326, 219.206

Trichromacy



Original Color
49, 16.876, 201.698

Protanomaly
49, 6.723, 224.893

Deuteranomaly
49, 7.800, 255.421

Tritanomaly
49, 16.603, 212.265

Monochromacy



Original Color
49, 16.876, 201.698

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 6.624, 203.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.876, 201.698 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(76, 124, 126)` looks like.

```
.text, #text, p{  
    color:rgb(76, 124, 126)  
}
```

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(76, 124, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 124, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.876, 201.698 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(76, 124, 126) }
```

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

```
.border{ border-color:rgb(76, 124, 126) }
```

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

Here you see how a box with a 4 pixel rgb(76, 124, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 124, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 124, 126);  
box-shadow:4px 4px 4px 4px rgb(76, 124,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.876, 201.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 124, 126) }
```

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

```
.background{ background-color: rgb(76, 124,  
126) }
```

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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