

Converting Colors

CIELCh(49, 16.824, 202.691)

Have a look what the booklet for
CIELCh(49, 16.824, 202.691)
contains.

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Color

CIELCh(49, 16.837, 203.752)

Conversions

Conversions Part 1

Format	Color
Hex	4C7C7F
RGB	76, 124, 127
RGB Percent	30%, 49%, 50%
CMY	0.7006, 0.5124, 0.5006
CMYK	0.40, 0.02, 0.00, 0.50
HSL	184°, 25%, 40%
HSV	184°, 40%, 50%
XYZ	14.1121, 17.5941, 22.8493
YIQ	109.9900, -29.5710, -9.2430

Conversions

Conversions Part 2

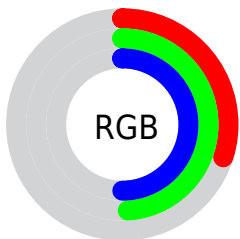
Format	Color
R_{YB}	76, 101, 127
Decimal	5012607
CIE _{Lab}	49.00, -15.41, -6.78
CIE _{LCh}	49, 16.837, 203.752
Y _{xy}	17.5941, 0.2587, 0.3225
Android (android.graphics.Color)	4283202687 (0xFF4C7C7F)
Y_{UV}	109.9900, 8.3859, -29.8092
Hunter-Lab	41.9453, -13.3493, -2.9360

Details

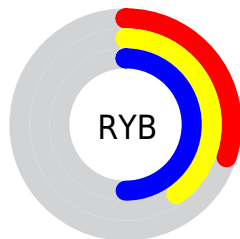
The CIELCh color $49, 16.837, 203.752$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $39, 22.286, 27.295$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 16.822, 203.743$, and $29, 16.782, 203.690$ is the 20% darker color. If you saturate the color by 10%, you get $48, 20.045, 203.753$, and if you desaturate by 10%, it is $50, 13.161, 203.855$.

Distribution



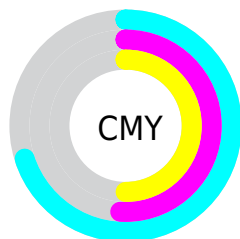
- Red (30%)
- Green (49%)
- Blue (50%)



- Red (30%)
- Yellow (40%)
- Blue (50%)



- 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, 16.837, 203.752 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, 16.837, 203.752 by changing the saturation by 10% instead.


 49, 16.837,
203.752


 49, 16.837,
203.752


 100, 16.837,
203.752


 39, 16.837,
203.752

 69, 16.837,
203.752


 29, 16.837,
203.752

 79, 16.837,
203.752

 19, 16.837,
203.752

 89, 16.837,
203.752

 9, 16.837, 203.752

 99, 16.837,
203.752

 0, 16.837, 203.752

 49, 16.837,

 49, 16.837,

203.752

■ 48, 20.045,
203.753

■ 47, 22.722,
203.884

■ 47, 24.823,
204.159

■ 46, 26.328,
204.597

■ 46, 27.249,
205.212

■ 46, 27.798,
205.941

203.752

■ 50, 13.161,
203.855

■ 51, 9.086, 204.058

■ 52, 4.684, 204.363

■ 53, 0.025, 220.830

■ 55, 4.833, 24.888

■ 56, 9.832, 25.335

■ 58, 14.929, 25.780

■ 59, 20.087, 26.236

■ 61, 25.277, 26.700

Harmonies

Complementary

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



49, 16.837, 203.752



39, 22.286, 27.295

Rectangle

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



49, 16.837, 203.752



49, 16.837, 253.752



49, 16.837, 23.752



49, 16.837, 73.752

Sweetspot

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



49, 16.837, 203.749



66, 6.897, 204.283



49, 34.947, 142.878



35, 4.598, 204.249



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 16.837, 203.749



62, 23.961, 203.748



41, 18.410, 267.249



26, 2.635, 204.400



46, 27.822, 205.942



0, 0.000, 0.000

Inverse Universe

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



40, 34.687, 328.213



49, 50.885, 328.676



46, 19.849, 75.615



25, 4.902, 326.525



29, 66.109, 330.637



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 16.837, 203.752 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, 16.837, 203.752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

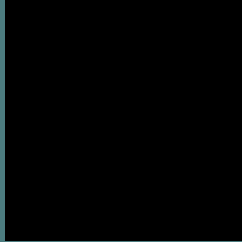
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 16.837, 203.752

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.837, 203.752.



This preview shows how white text looks on a background with the CIELCh color 49, 16.837, 203.752.

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, 16.837, 203.752

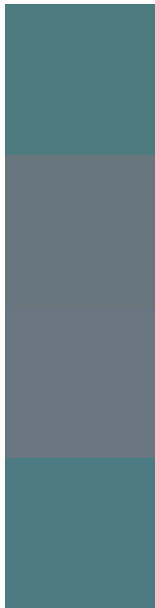
Protanopia
49, 4.146, 296.204

Deuteranopia
49, 10.522, 308.617



Tritanopia
49, 16.326, 219.206

Trichromacy



Original Color
49, 16.837, 203.752

Protanomaly
49, 6.965, 229.433

Deuteranomaly
49, 8.275, 257.955

Tritanomaly
49, 16.394, 214.666

Monochromacy



Original Color
49, 16.837, 203.752

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, 16.837, 203.752 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(76, 124, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 124, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.837, 203.752 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, 127) }
```

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

```
.border{ border-color:rgb(76, 124, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 124, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 124, 127);  
box-shadow:4px 4px 4px 4px rgb(76, 124,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.837, 203.752 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, 127) }
```

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

```
.background{ background-color: rgb(76, 124,  
127) }
```

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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