

Converting Colors

CIELCh(49, 17.426, 199.234)

Have a look what the booklet for
CIELCh(49, 17.426, 199.234)
contains.

CIELCh(49, 17.515, 199.537)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 17.515, 199.537)

Conversions

Conversions Part 1

Format	Color
Hex	4B7D7E
RGB	75, 125, 126
RGB Percent	29%, 49%, 49%
CMY	0.7068, 0.5107, 0.5068
CMYK	0.41, 0.01, 0.00, 0.51
HSL	181°, 25%, 39%
HSV	181°, 41%, 49%
XYZ	13.9377, 17.5941, 22.3204
YIQ	110.1640, -30.1210, -10.2890

Conversions

Conversions Part 2

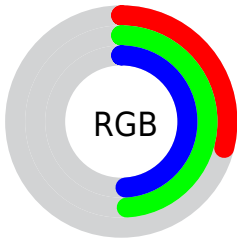
Format	Color
R_{YB}	75, 100, 126
Decimal	4947326
CIE _{Lab}	49.00, -16.51, -5.86
CIE _{LCh}	49, 17.515, 199.537
Yxy	17.5941, 0.2588, 0.3267
Android (android.graphics.Color)	4283137406 (0xFF4B7D7E)
YUV	110.1640, 7.8071, -30.8388
Hunter-Lab	41.9453, -14.0919, -2.1884

Details

The CIELCh color **49, 17.515, 199.537** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 23.132, 24.487**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 17.487, 199.825**, and **29, 17.614, 198.974** is the 20% darker color. If you saturate the color by 10%, you get **48, 20.805, 199.302**, and if you desaturate by 10%, it is **50, 13.746, 199.840**.

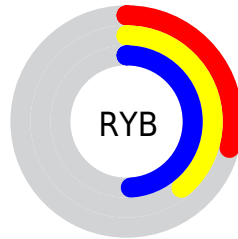
Distribution



Red (29%)

Green (49%)

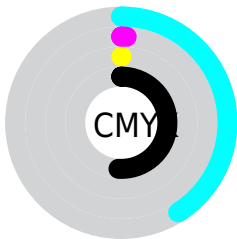
Blue (49%)



Red (29%)

Yellow (39%)

Blue (49%)

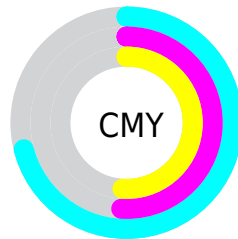


Cyan (41%)

Magenta (1%)

Yellow (0%)

Black (51%)



Cyan (71%)


Magenta (51%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 17.515, 199.537 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, 17.515, 199.537 by changing the saturation by 10% instead.


 49, 17.515,
199.537


 49, 17.515,
199.537


 100, 17.515,
199.537


 39, 17.515,
199.537

 69, 17.515,
199.537


 29, 17.515,
199.537

 79, 17.515,
199.537

 19, 17.515,
199.537

 89, 17.515,
199.537

 9, 17.515, 199.537

 99, 17.515,
199.537

 0, 17.515, 199.537

 49, 17.515,

 49, 17.515,

199.537

199.537

■ 48, 20.805,
199.302

■ 50, 13.746,
199.840

■ 48, 23.555,
199.149

■ 51, 9.566, 200.214

■ 47, 25.723,
199.083

■ 52, 5.050, 200.665

■ 53, 0.269, 202.509

■ 47, 27.294,
199.108

■ 54, 4.713, 21.453

■ 47, 28.286,
199.225

■ 55, 9.839, 22.015

■ 56, 15.059, 22.566

■ 47, 28.901,
199.386

■ 58, 20.336, 23.122

■ 59, 25.636, 23.682

Harmonies

Complementary

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



49, 17.515, 199.537



38, 23.132, 24.487

Rectangle

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



49, 17.515, 199.537



49, 17.515, 249.537



49, 17.515, 19.537



49, 17.515, 69.537

Sweetspot

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



49, 17.515, 199.534



65, 7.077, 200.580



48, 35.803, 141.946



34, 4.658, 200.532



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, 17.515, 199.534



62, 25.008, 199.309



41, 17.740, 263.883



26, 2.738, 200.741



47, 29.186, 199.390



0, 0.000, 0.000

Inverse Universe

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



39, 35.669, 327.074



48, 52.552, 327.526



45, 19.585, 72.259



25, 5.035, 325.425



29, 68.110, 329.001



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 17.515, 199.537 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, 17.515, 199.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

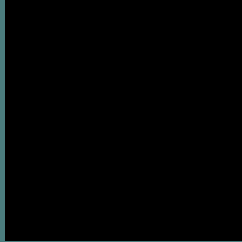
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 17.515, 199.537

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.515, 199.537.



This preview shows how white text looks on a background with the CIELCh color 49, 17.515, 199.537.

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, 17.515, 199.537

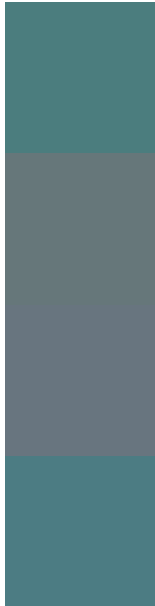
Protanopia
49, 3.061, 305.677

Deuteranopia
49, 9.409, 310.708



Tritanopia
49, 16.859, 218.430

Trichromacy



Original Color
49, 17.515, 199.537

Protanomaly
49, 6.723, 214.038

Deuteranomaly
49, 7.567, 250.328

Tritanomaly
49, 16.881, 211.997

Monochromacy



Original Color
49, 17.515, 199.537

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 6.995, 203.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.515, 199.537 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(75, 125, 126)` looks like.

```
.text, #text, p{  
    color:rgb(75, 125, 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(75, 125, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 125, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.515, 199.537 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(75, 125, 126) }
```

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

```
.border{ border-color:rgb(75, 125, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 125, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 125, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 125, 126);  
box-shadow:4px 4px 4px 4px rgb(75, 125,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.515, 199.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 125, 126) }
```

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

```
.background{ background-color: rgb(75, 125,  
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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