

Converting Colors

CIELCh(49, 15.972, 217.046)

Have a look what the booklet for
CIELCh(49, 15.972, 217.046)
contains.

CIELCh(49, 15.936, 217.480)	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, 15.936, 217.480)

Conversions

Conversions Part 1

Format	Color
Hex	4F7B84
RGB	79, 123, 132
RGB Percent	31%, 48%, 52%
CMY	0.6890, 0.5164, 0.4811
CMYK	0.40, 0.07, 0.00, 0.48
HSL	190°, 25%, 41%
HSV	190°, 40%, 52%
XYZ	14.5589, 17.5941, 24.5723
YIQ	110.8700, -29.1130, -6.5290

Conversions

Conversions Part 2

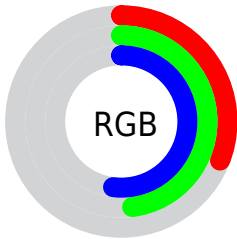
Format	Color
R_{YB}	79, 103, 132
Decimal	5208964
CIE Lab	49.00, -12.65, -9.70
CIE LCh	49, 15.936, 217.480
Yxy	17.5941, 0.2567, 0.3102
Android (android.graphics.Color)	4283399044 (0xFF4F7B84)
YUV	110.8700, 10.4171, -27.9500
Hunter-Lab	41.9453, -11.4484, -5.3715

Details

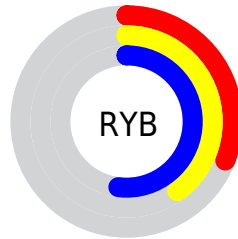
The CIELCh color `49, 15.936, 217.480` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `42, 21.146, 36.590`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `69, 15.917, 216.475`, and `29, 16.003, 218.844` is the 20% darker color. If you saturate the color by 10%, you get `48, 19.001, 218.314`, and if you desaturate by 10%, it is `50, 12.441, 216.881`.

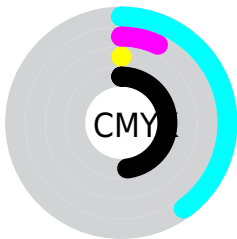
Distribution



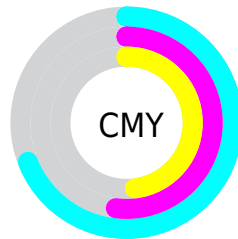
- Red (31%)
- Green (48%)
- Blue (52%)



- Red (31%)
- Yellow (40%)
- Blue (52%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (48%)




- Cyan (69%)
- Magenta (52%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 15.936, 217.480 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, 15.936, 217.480 by changing the saturation by 10% instead.


 49, 15.936,
217.480


 49, 15.936,
217.480


 100, 15.936,
217.480


 39, 15.936,
217.480

 69, 15.936,
217.480


 29, 15.936,
217.480

 79, 15.936,
217.480

 19, 15.936,
217.480


 89, 15.936,
217.480

 9, 15.936, 217.480

 99, 15.936,
217.480

 0, 15.936, 217.480

 49, 15.936,

 49, 15.936,

217.480

217.480

■ 48, 19.001,
218.314

■ 50, 12.441,
216.881

■ 46, 21.579,
219.446

■ 52, 8.582, 216.483

■ 45, 23.626,
220.935

■ 54, 4.424, 216.268

■ 55, 0.028, 230.483

■ 44, 25.125,
222.847

■ 57, 4.554, 35.901

■ 43, 26.098,
225.245

■ 59, 9.276, 35.973

■ 61, 14.097, 36.069

■ 42, 26.752,
227.962

■ 63, 18.988, 36.199

■ 65, 23.922, 36.357

Harmonies

Complementary

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



49, 15.936, 217.480



42, 21.146, 36.590

Rectangle

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



49, 15.936, 217.480



49, 15.936, 267.480



49, 15.936, 37.480



49, 15.936, 87.480

Sweetspot

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



49, 15.936, 217.477



67, 6.467, 216.298



51, 33.223, 146.294



35, 4.311, 216.316



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 15.936, 217.477



61, 22.565, 218.218



41, 22.004, 277.542



27, 2.491, 216.259



42, 26.419, 227.902



0, 0.610, 216.053

Inverse Universe

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



41, 33.197, 331.927



50, 48.391, 332.504



49, 22.162, 86.091



26, 4.687, 330.000



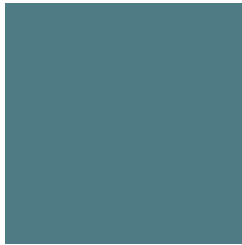
29, 61.655, 336.096



0, 1.116, 329.494

Previews

White Background



This preview shows how the CIELCh color 49, 15.936, 217.480 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 CIE LCh color 49, 15.936, 217.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

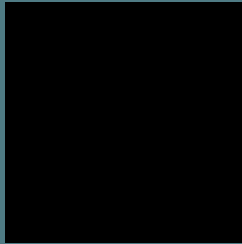
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 15.936, 217.480

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.936, 217.480.



This preview shows how white text looks on a background with the CIELCh color 49, 15.936, 217.480.

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, 15.936, 217.480

Protanopia

49, 7.060, 291.115

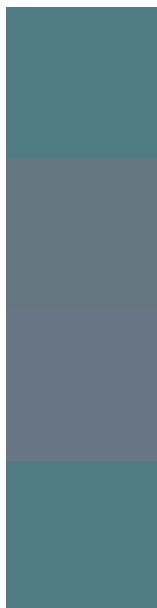
Deuteranopia

49, 12.549, 300.500



Tritanopia
49, 15.784, 220.021

Trichromacy



Original Color
49, 15.936, 217.480

Protanomaly
49, 8.681, 247.360

Deuteranomaly
49, 10.437, 263.919

Tritanomaly
49, 15.784, 220.021

Monochromacy



Original Color
49, 15.936, 217.480

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 6.547, 220.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.936, 217.480 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(79, 123, 132)` looks like.

```
.text, #text, p{  
    color:rgb(79, 123, 132)  
}
```

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(79, 123, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 123, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.936, 217.480 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(79, 123, 132) }
```

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

```
.border{ border-color:rgb(79, 123, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 123, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 123, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 123, 132);  
box-shadow:4px 4px 4px 4px rgb(79, 123,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.936, 217.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 123, 132) }
```

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

```
.background{ background-color: rgb(79, 123,  
132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor