

Converting Colors

CIELCh(49, 15.315, 149.668)

Have a look what the booklet for
CIELCh(49, 15.315, 149.668)
contains.

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Color

CIELCh(49, 14.877, 149.515)

Conversions

Conversions Part 1

Format	Color
Hex	627A67
RGB	98, 122, 103
RGB Percent	38%, 48%, 40%
CMY	0.6145, 0.5203, 0.5949
CMYK	0.20, 0.00, 0.16, 0.52
HSL	132°, 11%, 43%
HSV	132°, 20%, 48%
XYZ	14.5304, 17.5941, 15.5414
YIQ	112.6580, -8.2050, -10.9970

Conversions

Conversions Part 2

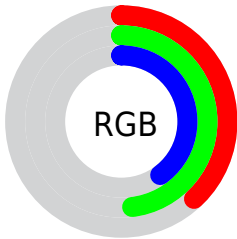
Format	Color
RYB	98, 118, 122
Decimal	6453863
CIELab	49.00, -12.82, 7.55
CIElCh	49, 14.877, 149.515
Yxy	17.5941, 0.3048, 0.3691
Android (android.graphics.Color)	4284643943 (0xFF627A67)
YUV	112.6580, -4.7614, -12.8551
Hunter-Lab	41.9453, -11.5693, 7.3938

Details

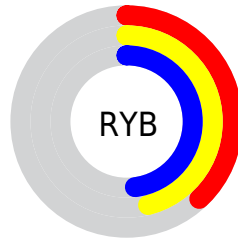
The CIELCh color $49, 14.877, 149.515$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 14.940, 332.000$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 14.592, 149.592$, and $29, 14.709, 149.470$ is the 20% darker color. If you saturate the color by 10%, you get $48, 22.460, 148.684$, and if you desaturate by 10%, it is $50, 7.269, 150.246$.

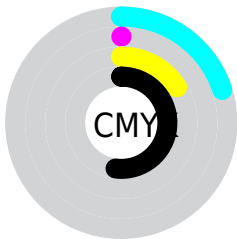
Distribution



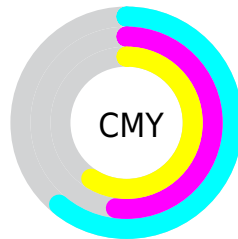
- Red (38%)
- Green (48%)
- Blue (40%)



- Red (38%)
- Yellow (46%)
- Blue (48%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (52%)





- Cyan (61%)
- Magenta (52%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 14.877, 149.515 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, 14.877, 149.515 by changing the saturation by 10% instead.


 49, 14.877,
149.515


 49, 14.877,
149.515


 100, 14.877,
149.515


 39, 14.877,
149.515

 69, 14.877,
149.515


 29, 14.877,
149.515

 79, 14.877,
149.515

 19, 14.877,
149.515

 89, 14.877,
149.515

 9, 14.877, 149.515

 99, 14.877,
149.515

 0, 14.877, 149.515

 49, 14.877,

 49, 14.877,

149.515

149.515

■ 48, 22.460,
148.684

■ 50, 7.269, 150.246

■ 47, 29.905,
147.729

■ 51, 0.282, 330.071

■ 46, 37.086,
146.634

■ 53, 7.712, 331.355

■ 46, 43.857,
145.390

■ 54, 14.976,
331.846

■ 45, 50.063,
143.996

■ 56, 22.044,
332.272

■ 45, 55.556,
142.475

■ 57, 28.900,
332.648

■ 45, 60.199,
140.875

■ 59, 35.536,
332.983

■ 44, 64.023,
139.425

■ 61, 41.952,
333.284

■ 63, 48.151,

■ 44, 64.152,
139.381

333.555

Harmonies

Complementary

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



49, 14.877, 149.515



45, 14.940, 332.000

Rectangle

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



49, 14.877, 149.515



49, 14.877, 199.515



49, 14.877, 329.515



49, 14.877, 19.515

Sweetspot

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



49, 14.878, 149.515



64, 5.573, 150.491



50, 14.061, 116.713



33, 3.678, 150.456



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 14.878, 149.515



62, 22.453, 149.118



49, 10.368, 174.207



25, 4.252, 150.286



45, 65.205, 139.340



87, 112.188, 138.418

Inverse Universe

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



45, 14.940, 332.000



55, 22.556, 332.317



44, 10.945, 357.838



24, 4.266, 331.328



27, 58.280, 338.245



57, 97.326, 338.913

Previews

White Background



This preview shows how the CIELCh color 49, 14.877, 149.515 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, 14.877, 149.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

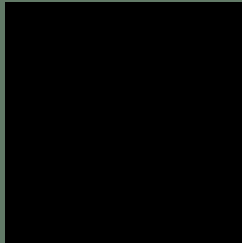
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

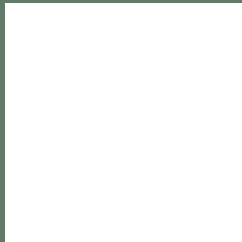
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 14.877, 149.515

Background



This preview shows how black text looks on a background with the CIELCh color 49, 14.877, 149.515.

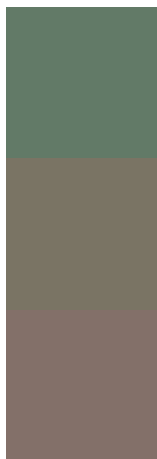


This preview shows how white text looks on a background with the CIELCh color 49, 14.877, 149.515.

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, 14.877, 149.515

Protanopia

49, 9.693, 93.568

Deuteranopia

49, 9.104, 46.802



Tritanopia
49, 7.901, 241.094

Trichromacy



Original Color
49, 14.877, 149.515

Protanomaly
49, 10.160, 120.790

Deuteranomaly
49, 7.126, 99.023

Tritanomaly
49, 7.403, 194.068

Monochromacy



Original Color
49, 14.877, 149.515

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.280, 147.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 14.877, 149.515 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(98, 122, 103)` looks like.

```
.text, #text, p{  
    color:rgb(98, 122, 103)  
}
```

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(98, 122, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 122, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 14.877, 149.515 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(98, 122, 103) }
```

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

```
.border{ border-color:rgb(98, 122, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 122, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 122, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 122, 103);  
box-shadow:4px 4px 4px 4px rgb(98, 122,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 14.877, 149.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 122, 103) }
```

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

```
.background{ background-color: rgb(98, 122,  
103) }
```

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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