

Converting Colors

CIELCh(49, 16.477, 162.992)

Have a look what the booklet for
CIELCh(49, 16.477, 162.992)
contains.

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Color

CIELCh(49, 16.437, 162.841)

Conversions

Conversions Part 1

Format	Color
Hex	5A7C6C
RGB	90, 124, 108
RGB Percent	35%, 49%, 42%
CMY	0.6480, 0.5147, 0.5774
CMYK	0.27, 0.00, 0.13, 0.51
HSL	152°, 16%, 42%
HSV	152°, 27%, 49%
XYZ	14.0651, 17.5941, 16.7762
YIQ	112.0100, -15.1280, -12.1840

Conversions

Conversions Part 2

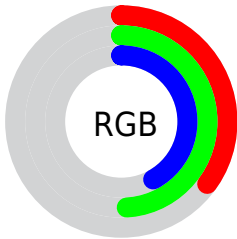
Format	Color
RYB	90, 112, 124
Decimal	5930092
CIELab	49.00, -15.71, 4.85
CIELCh	49, 16.437, 162.841
Yxy	17.5941, 0.2904, 0.3632
Android (android.graphics.Color)	4284120172 (0xFF5A7C6C)
YUV	112.0100, -1.9769, -19.3028
Hunter-Lab	41.9453, -13.5495, 5.6484




Details

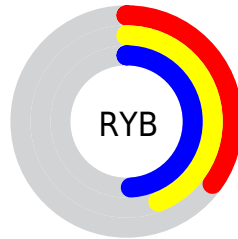
The CIELCh color $49, 16.437, 162.841$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 17.069, 347.737$, and the grayscale version is $47, 0.006, 296.813$.




A 20% lighter version of the original color is $69, 16.735, 161.899$, and $29, 16.231, 163.302$ is the 20% darker color. If you saturate the color by 10%, you get $48, 22.211, 161.759$, and if you desaturate by 10%, it is $50, 10.505, 163.816$.

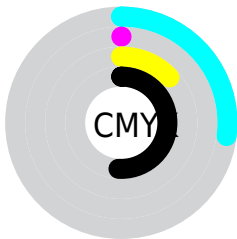
Distribution







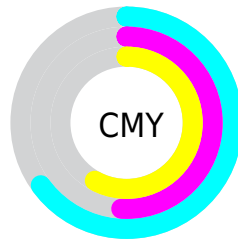
-  Red (35%)
-  Green (49%)
-  Blue (42%)






-  Red (35%)
-  Yellow (44%)
-  Blue (49%)



-  Cyan (27%)
-  Magenta (0%)
-  Yellow (13%)
-  Black (51%)





-  Cyan (65%)
-  Magenta (51%)
-  Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.437, 162.841 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, 16.437, 162.841 by changing the saturation by 10% instead.


 49, 16.437,
162.841


 49, 16.437,
162.841


 100, 16.437,
162.841


 39, 16.437,
162.841

 69, 16.437,
162.841


 29, 16.437,
162.841

 79, 16.437,
162.841

 19, 16.437,
162.841


 89, 16.437,
162.841

 9, 16.437, 162.841

 99, 16.437,
162.841

 0, 16.437, 162.841

 49, 16.437,

 49, 16.437,

162.841

162.841

■ 48, 22.211,
161.759

■ 50, 10.505,
163.816

■ 47, 27.734,
160.553

■ 51, 4.494, 164.729

■ 47, 32.913,
159.197

■ 52, 1.528, 345.272

■ 54, 7.506, 346.159

■ 46, 37.661,
157.670

■ 55, 13.399,
346.857

■ 46, 41.908,
155.955

■ 56, 19.177,
347.497

■ 46, 45.617,
154.043

■ 58, 24.820,
348.095

■ 45, 48.875,
152.017

■ 59, 30.316,
348.656

■ 45, 49.687,
151.538

■ 61, 35.658,

Harmonies

Complementary

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



49, 16.437, 162.841



42, 17.069, 347.737

Rectangle

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



49, 16.437, 162.841



49, 16.437, 212.841



49, 16.437, 342.841



49, 16.437, 32.841

Sweetspot

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



49, 16.438, 162.839



65, 5.961, 164.663



50, 21.054, 128.445



34, 4.270, 164.544



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, 16.438, 162.839



62, 24.316, 162.170



49, 12.373, 199.668



25, 3.360, 164.584



46, 50.054, 151.513



88, 86.507, 150.192

Inverse Universe

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



42, 17.069, 347.737



52, 25.460, 348.434



42, 14.796, 22.729



24, 3.405, 345.958



26, 49.878, 3.160



54, 83.792, 5.808

Previews

White Background



This preview shows how the CIELCh color 49, 16.437, 162.841 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, 16.437, 162.841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

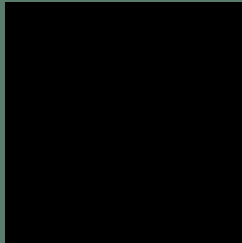
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 16.437, 162.841

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.437, 162.841.

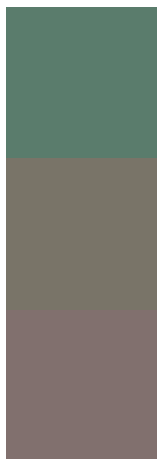


This preview shows how white text looks on a background with the CIELCh color 49, 16.437, 162.841.

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, 16.437, 162.841

Protanopia

49, 7.321, 92.475

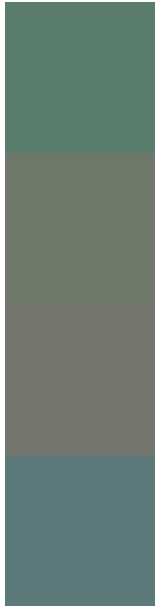
Deuteranopia

49, 7.218, 29.467



Tritanopia
49, 11.035, 227.287

Trichromacy



Original Color
49, 16.437, 162.841

Protanomaly
49, 9.021, 133.432

Deuteranomaly
49, 4.124, 115.352

Tritanomaly
49, 11.250, 198.224

Monochromacy



Original Color
49, 16.437, 162.841

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 6.032, 162.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.437, 162.841 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(90, 124, 108)` looks like.

```
.text, #text, p{  
    color:rgb(90, 124, 108)  
}
```

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(90, 124, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 124, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.437, 162.841 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(90, 124, 108) }
```

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

```
.border{ border-color:rgb(90, 124, 108) }
```

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

Here you see how a box with a 4 pixel rgb(90, 124, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 124, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 124, 108);  
box-shadow:4px 4px 4px 4px rgb(90, 124,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.437, 162.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 124, 108) }
```

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

```
.background{ background-color: rgb(90, 124,  
108) }
```

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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