

Converting Colors

CIELCh(49, 12.477, 161.146)

Have a look what the booklet for
CIELCh(49, 12.477, 161.146)
contains.

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Color

CIELCh(49, 12.629, 160.911)

Conversions

Conversions Part 1

Format	Color
Hex	617A6D
RGB	97, 122, 109
RGB Percent	38%, 48%, 43%
CMY	0.6193, 0.5212, 0.5722
CMYK	0.20, 0.00, 0.11, 0.52
HSL	149°, 11%, 43%
HSV	149°, 20%, 48%
XYZ	14.6754, 17.5941, 17.1160
YIQ	113.0430, -10.7270, -9.3430

Conversions

Conversions Part 2

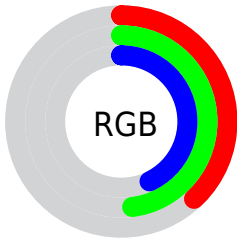
Format	Color
R_{YB}	97, 114, 122
Decimal	6388333
CIE _{Lab}	49.00, -11.93, 4.13
CIE _{LCh}	49, 12.629, 160.911
Yxy	17.5941, 0.2972, 0.3563
Android (android.graphics.Color)	4284578413 (0xFF617A6D)
YUV	113.0430, -1.9932, -14.0697
Hunter-Lab	41.9453, -10.9526, 5.1680

Details

The CIELCh color $49, 12.629, 160.911$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 12.914, 344.253$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 12.491, 160.436$, and $29, 12.248, 162.218$ is the 20% darker color. If you saturate the color by 10%, you get $48, 18.710, 159.929$, and if you desaturate by 10%, it is $50, 6.466, 161.803$.

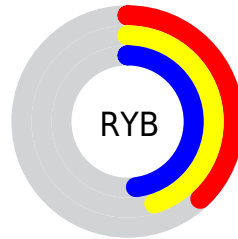
Distribution



 Red (38%)

 Green (48%)

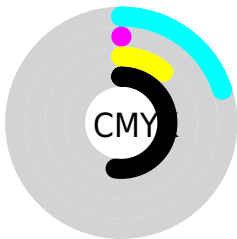
 Blue (43%)




 Red (38%)

 Yellow (45%)

 Blue (48%)

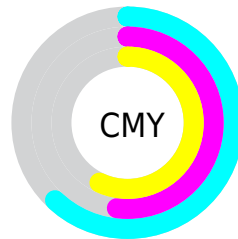


 Cyan (20%)


 Magenta (0%)

 Yellow (11%)

 Black (52%)



 Cyan (62%)


 Magenta (52%)


 Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 12.629, 160.911 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, 12.629, 160.911 by changing the saturation by 10% instead.


 49, 12.629,
160.911


 49, 12.629,
160.911


 100, 12.629,
160.911


 39, 12.629,
160.911

 69, 12.629,
160.911


 29, 12.629,
160.911

 79, 12.629,
160.911

 19, 12.629,
160.911

 89, 12.629,
160.911

 9, 12.629, 160.911

 99, 12.629,
160.911

 0, 12.629, 160.911

 49, 12.629,

 49, 12.629,

160.911

160.911

■ 48, 18.710,
159.929

■ 50, 6.466, 161.803

■ 47, 24.620,
158.834

■ 51, 0.290, 163.505

■ 52, 5.840, 343.220

■ 47, 30.266,
157.601

■ 54, 11.880,
343.903

■ 46, 35.552,
156.208

■ 55, 17.799,
344.519

■ 45, 40.388,
154.636

■ 57, 23.574,
345.088

■ 45, 44.707,
152.871

■ 58, 29.194,
345.618

■ 45, 48.477,
150.914

■ 60, 34.652,
346.115

■ 45, 51.733,
149.050

■ 62, 39.945,

Harmonies

Complementary

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



49, 12.629, 160.911



44, 12.914, 344.253

Rectangle

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



49, 12.629, 160.911



49, 12.629, 210.911



49, 12.629, 340.911



49, 12.629, 30.911

Sweetspot

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



49, 12.630, 160.909



64, 4.569, 162.185



50, 15.352, 126.985



33, 3.015, 162.141



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, 12.630, 160.909



62, 19.014, 160.420



49, 9.553, 195.457



25, 3.482, 161.926



46, 52.664, 148.991



88, 91.097, 147.684

Inverse Universe

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



44, 12.914, 344.253



54, 19.545, 344.736



44, 10.775, 18.172



24, 3.520, 343.246



26, 50.347, 358.647



54, 84.265, 0.977

Previews

White Background



This preview shows how the CIE LCh color 49, 12.629, 160.911 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, 12.629, 160.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

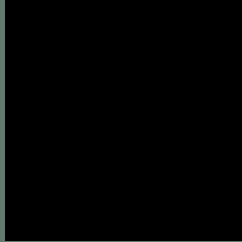
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

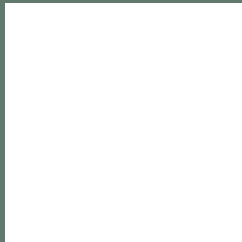
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 12.629, 160.911

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.629, 160.911.

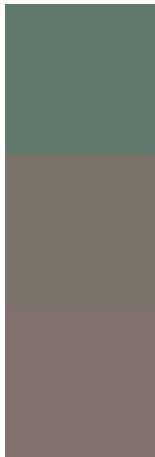


This preview shows how white text looks on a background with the CIELCh color 49, 12.629, 160.911.

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](#).

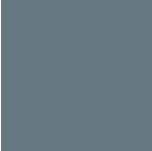
Dichromacy



Original Color
49, 12.629, 160.911

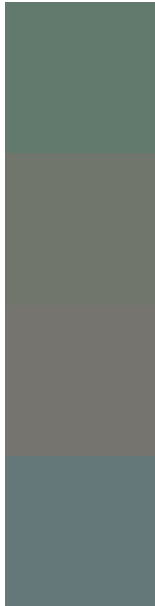
Protanopia
49, 6.205, 89.625

Deuteranopia
49, 7.123, 24.875



Tritanopia
49, 8.791, 241.000

Trichromacy



Original Color
49, 12.629, 160.911

Protanomaly
49, 6.916, 130.274

Deuteranomaly
49, 3.531, 102.996

Tritanomaly
49, 7.710, 207.439

Monochromacy



Original Color
49, 12.629, 160.911

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.348, 166.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 12.629, 160.911 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(97, 122, 109)` looks like.

```
.text, #text, p{  
    color:rgb(97, 122, 109)  
}
```

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(97, 122, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 122, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.629, 160.911 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(97, 122, 109) }
```

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

```
.border{ border-color:rgb(97, 122, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 122, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 122, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 122, 109);  
box-shadow:4px 4px 4px 4px rgb(97, 122,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.629, 160.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 122, 109) }
```

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

```
.background{ background-color: rgb(97, 122,  
109) }
```

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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