

Converting Colors

CIELCh(49, 12.751, 163.655)

Have a look what the booklet for
CIELCh(49, 12.751, 163.655)
contains.

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Color

CIELCh(49, 12.565, 163.952)

Conversions

Conversions Part 1

Format	Color
Hex	607A6E
RGB	96, 122, 110
RGB Percent	38%, 48%, 43%
CMY	0.6228, 0.5208, 0.5679
CMYK	0.21, 0.00, 0.10, 0.52
HSL	152°, 12%, 43%
HSV	152°, 21%, 48%
XYZ	14.6523, 17.5941, 17.4303
YIQ	112.8580, -11.6440, -9.2440

Conversions

Conversions Part 2

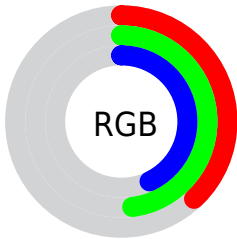
Format	Color
R_{YB}	96, 113, 122
Decimal	6322798
CIE _{Lab}	49.00, -12.08, 3.47
CIE _{LCh}	49, 12.565, 163.952
Y _{xy}	17.5941, 0.2950, 0.3542
Android (android.graphics.Color)	4284512878 (0xFF607A6E)
YUV	112.8580, -1.4090, -14.7845
Hunter-Lab	41.9453, -11.0509, 4.7238

Details

The CIELCh color $49, 12.565, 163.952$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $44, 12.955, 347.621$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 12.103, 165.421$, and $29, 12.570, 163.174$ is the 20% darker color. If you saturate the color by 10%, you get $48, 18.343, 162.934$, and if you desaturate by 10%, it is $50, 6.679, 164.882$.

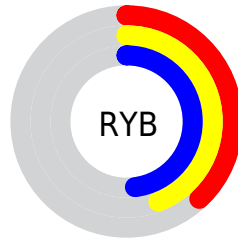
Distribution



Red (38%)

Green (48%)

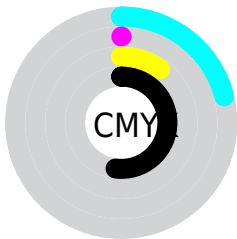
Blue (43%)



Red (38%)

Yellow (44%)

Blue (48%)

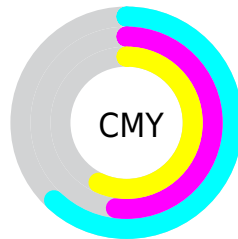


Cyan (21%)

Magenta (0%)

Yellow (10%)

Black (52%)



Cyan (62%)


Magenta (52%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 12.565, 163.952 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, 12.565, 163.952 by changing the saturation by 10% instead.


 49, 12.565,
163.952


 49, 12.565,
163.952


 100, 12.565,
163.952


 39, 12.565,
163.952

 69, 12.565,
163.952


 29, 12.565,
163.952

 79, 12.565,
163.952

 19, 12.565,
163.952

 89, 12.565,
163.952

 9, 12.565, 163.952

 99, 12.565,
163.952

 0, 12.565, 163.952

 49, 12.565,

 49, 12.565,

163.952

163.952

■ 48, 18.343,
162.934

■ 50, 6.679, 164.882

■ 47, 23.926,
161.808

■ 51, 0.755, 166.056

■ 47, 29.226,
160.548

■ 52, 5.148, 346.375

■ 46, 34.150,
159.132

■ 54, 10.985,
347.111

■ 46, 38.619,
157.539

■ 55, 16.721,
347.777

■ 45, 42.577,
155.753

■ 57, 22.333,
348.396

■ 45, 46.002,
153.773

■ 58, 27.806,
348.977

■ 45, 48.740,
152.055

■ 60, 33.131,
349.525

■ 61, 38.306,

Harmonies

Complementary

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



49, 12.565, 163.952



44, 12.955, 347.621

Rectangle

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



49, 12.565, 163.952



49, 12.565, 213.952



49, 12.565, 343.952



49, 12.565, 33.952

Sweetspot

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



49, 12.566, 163.950



64, 4.384, 165.355



50, 16.226, 129.317



33, 2.892, 165.309



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, 12.566, 163.950



62, 18.894, 163.420



49, 9.523, 201.500



25, 3.339, 165.083



46, 49.581, 151.997



88, 85.672, 150.675

Inverse Universe

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



44, 12.955, 347.621



54, 19.627, 348.169



44, 10.911, 23.491



24, 3.386, 346.466



26, 49.833, 3.987



54, 83.782, 6.690

Previews

White Background



This preview shows how the CIELCh color 49, 12.565, 163.952 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, 12.565, 163.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

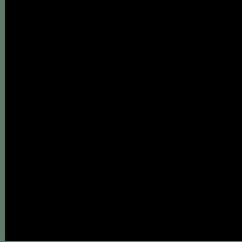
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 12.565, 163.952

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.565, 163.952.

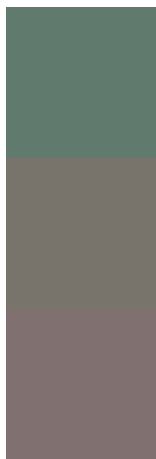


This preview shows how white text looks on a background with the CIELCh color 49, 12.565, 163.952.

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](#).

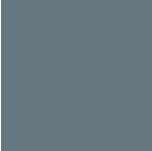
Dichromacy



Original Color
49, 12.565, 163.952

Protanopia
49, 5.515, 91.827

Deuteranopia
49, 7.076, 20.189



Tritanopia
49, 9.057, 239.476

Trichromacy



Original Color
49, 12.565, 163.952

Protanomaly
49, 6.547, 135.409

Deuteranomaly
49, 2.950, 101.770

Tritanomaly
49, 8.069, 207.008

Monochromacy



Original Color
49, 12.565, 163.952

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, 12.565, 163.952 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(96, 122, 110)` looks like.

```
.text, #text, p{  
    color:rgb(96, 122, 110)  
}
```

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(96, 122, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 122, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.565, 163.952 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(96, 122, 110) }
```

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

```
.border{ border-color:rgb(96, 122, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 122, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 122, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 122, 110);  
box-shadow:4px 4px 4px 4px rgb(96, 122,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.565, 163.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 122, 110) }
```

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

```
.background{ background-color: rgb(96, 122,  
110) }
```

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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