

Converting Colors

CIELCh(49, 15.846, 140.289)

Have a look what the booklet for
CIELCh(49, 15.846, 140.289)
contains.

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Color

CIELCh(49, 15.827, 139.902)

Conversions

Conversions Part 1

Format	Color
Hex	667A63
RGB	102, 122, 99
RGB Percent	40%, 48%, 39%
CMY	0.6006, 0.5222, 0.6124
CMYK	0.16, 0.00, 0.19, 0.52
HSL	112°, 10%, 43%
HSV	112°, 19%, 48%
XYZ	14.6471, 17.5941, 14.3903
YIQ	113.3980, -4.5370, -11.3930

Conversions

Conversions Part 2

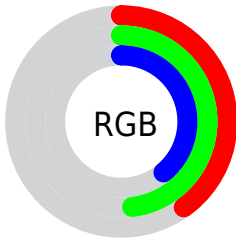
Format	Color
RYB	99, 122, 119
Decimal	6716003
CIELab	49.00, -12.11, 10.19
CIElCh	49, 15.827, 139.902
Yxy	17.5941, 0.3141, 0.3773
Android (android.graphics.Color)	4284906083 (0xFF667A63)
YUV	113.3980, -7.0982, -9.9960
Hunter-Lab	41.9453, -11.0728, 9.0208

Details

The CIELCh color $49, 15.827, 139.902$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 15.917, 321.692$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 15.481, 140.315$, and $29, 15.755, 139.076$ is the 20% darker color. If you saturate the color by 10%, you get $48, 24.237, 139.285$, and if you desaturate by 10%, it is $50, 7.407, 140.454$.

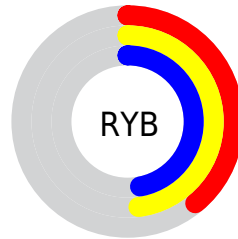
Distribution



Red (40%)

Green (48%)

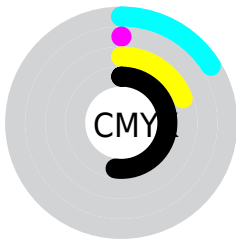
Blue (39%)



Red (39%)

Yellow (48%)

Blue (47%)

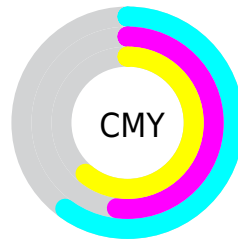


Cyan (16%)

Magenta (0%)

Yellow (19%)

Black (52%)



Cyan (60%)


Magenta (52%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 15.827, 139.902 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, 15.827, 139.902 by changing the saturation by 10% instead.


 49, 15.827,
139.902


 49, 15.827,
139.902


 100, 15.827,
139.902


 39, 15.827,
139.902

 69, 15.827,
139.902


 29, 15.827,
139.902

 79, 15.827,
139.902

 19, 15.827,
139.902

 89, 15.827,
139.902

 9, 15.827, 139.902

 99, 15.827,
139.902

 0, 15.827, 139.902

 49, 15.827,

 49, 15.827,

139.902

139.902

■ 48, 24.237,
139.285

■ 50, 7.407, 140.454

■ 47, 32.519,
138.596

■ 51, 0.941, 320.733

■ 53, 9.158, 321.287

■ 46, 40.523,
137.850

■ 54, 17.201,
321.641

■ 46, 48.048,
137.078

■ 55, 25.045,
321.939

■ 45, 54.840,
136.342

■ 57, 32.675,
322.193

■ 45, 60.590,
135.735

■ 59, 40.084,
322.410

■ 44, 64.969,
135.373

■ 60, 47.274,
322.595

■ 44, 68.125,
135.127

■ 62, 54.247,

■ 44, 68.465,
135.071

322.752

Harmonies

Complementary

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



49, 15.827, 139.902



45, 15.917, 321.692

Rectangle

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



49, 15.827, 139.902



49, 15.827, 189.902



49, 15.827, 319.902



49, 15.827, 9.902

Sweetspot

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



49, 15.828, 139.903



64, 6.187, 140.598



50, 11.666, 102.172



33, 4.083, 140.572



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, 15.828, 139.903



62, 23.895, 139.622



49, 12.665, 155.714



25, 4.720, 140.443



45, 69.733, 135.092



87, 117.972, 135.463

Inverse Universe

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



45, 15.917, 321.692



55, 24.053, 321.904



45, 12.809, 338.453



24, 4.739, 321.237



26, 68.775, 323.377



54, 115.859, 323.126

Previews

White Background



This preview shows how the CIELCh color 49, 15.827, 139.902 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, 15.827, 139.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

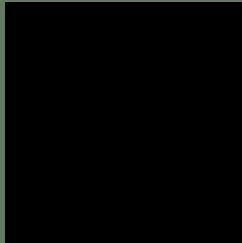
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 15.827, 139.902

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.827, 139.902.



This preview shows how white text looks on a background with the CIELCh color 49, 15.827, 139.902.

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

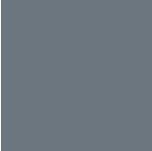
49, 15.827, 139.902

Protanopia

49, 12.067, 94.057

Deuteranopia

49, 11.187, 55.099



Tritanopia
49, 6.664, 251.816

Trichromacy



Original Color
49, 15.827, 139.902

Protanomaly
49, 12.313, 114.503

Deuteranomaly
49, 9.693, 93.568

Tritanomaly
49, 5.660, 186.829

Monochromacy



Original Color
49, 15.827, 139.902

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 5.531, 140.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.827, 139.902 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(102, 122, 99)` looks like.

```
.text, #text, p{  
    color:rgb(102, 122, 99)  
}
```

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(102, 122, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 122, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.827, 139.902 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(102, 122, 99) }
```

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

```
.border{ border-color:rgb(102, 122, 99) }
```

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

Here you see how a box with a 4 pixel rgb(102, 122, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 122, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 122, 99);  
box-shadow:4px 4px 4px 4px rgb(102, 122,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.827, 139.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 122, 99) }
```

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

```
.background{ background-color: rgb(102,  
122, 99) }
```

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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