

Converting Colors

CIELCh(49, 15.997, 118.926)

Have a look what the booklet for
CIELCh(49, 15.997, 118.926)
contains.

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Color

CIELCh(49, 15.974, 118.936)

Conversions

Conversions Part 1

Format	Color
Hex	71785D
RGB	113, 120, 93
RGB Percent	44%, 47%, 36%
CMY	0.5586, 0.5311, 0.6369
CMYK	0.06, 0.00, 0.23, 0.53
HSL	76°, 13%, 42%
HSV	76°, 23%, 47%
XYZ	15.3765, 17.5941, 12.8450
YIQ	114.8290, 4.4950, -9.8810

Conversions

Conversions Part 2

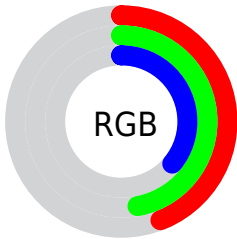
Format	Color
RYB	93, 120, 100
Decimal	7436381
CIELab	49.00, -7.73, 13.98
CIElCh	49, 15.974, 118.936
Yxy	17.5941, 0.3356, 0.3840
Android (android.graphics.Color)	4285626461 (0xFF71785D)
YUV	114.8290, -10.7617, -1.6040
Hunter-Lab	41.9453, -7.9687, 11.2052

Details

The CIELCh color $49, 15.974, 118.936$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $41, 16.691, 301.765$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 16.051, 118.529$, and $29, 16.139, 119.192$ is the 20% darker color. If you saturate the color by 10%, you get $49, 22.943, 118.343$, and if you desaturate by 10%, it is $50, 8.916, 119.538$.

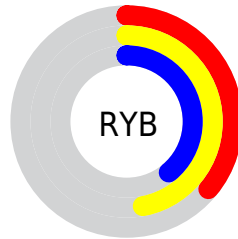
Distribution



Red (44%)

Green (47%)

Blue (36%)



Red (36%)

Yellow (47%)

Blue (39%)

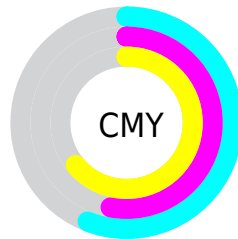


Cyan (6%)

Magenta (0%)

Yellow (23%)

Black (53%)



Cyan (56%)


Magenta (53%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 15.974, 118.936 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, 15.974, 118.936 by changing the saturation by 10% instead.


 49, 15.974,
118.936


 49, 15.974,
118.936


 100, 15.974,
118.936


 39, 15.974,
118.936

 69, 15.974,
118.936


 29, 15.974,
118.936

 79, 15.974,
118.936

 19, 15.974,
118.936

 89, 15.974,
118.936

 9, 15.974, 118.936

 99, 15.974,
118.936

 0, 15.974, 118.936

 49, 15.974,

 49, 15.974,

118.936

■ 49, 22.943,
118.343

■ 48, 29.744,
117.772

■ 48, 36.268,
117.259

■ 47, 42.352,
116.852

■ 47, 47.768,
116.620

■ 47, 52.232,
116.647

■ 46, 55.470,
117.022

■ 46, 57.540,
117.363

118.936

■ 50, 8.916, 119.538

■ 50, 1.818, 120.133

■ 51, 5.283, 300.679

■ 51, 12.361,
301.217

■ 52, 19.397,
301.723

■ 53, 26.377,
302.196

■ 54, 33.290,
302.637

■ 54, 40.128,
303.046

■ 55, 46.886,

Harmonies

Complementary

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



49, 15.974, 118.936



41, 16.691, 301.765

Rectangle

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



49, 15.974, 118.936



49, 15.974, 168.936



49, 15.974, 298.936



49, 15.974, 348.936

Sweetspot

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



49, 15.975, 118.939



64, 6.160, 119.858



44, 9.769, 44.568



33, 4.034, 119.833



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, 15.975, 118.939



62, 23.655, 118.634



48, 17.967, 136.273



24, 3.931, 119.749



47, 58.523, 117.395



91, 99.606, 118.106

Inverse Universe

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



41, 16.691, 301.765



50, 24.987, 302.166



42, 18.204, 318.218



22, 4.003, 300.810



14, 75.619, 308.138



34, 128.998, 307.688

Previews

White Background



This preview shows how the CIELCh color 49, 15.974, 118.936 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, 15.974, 118.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

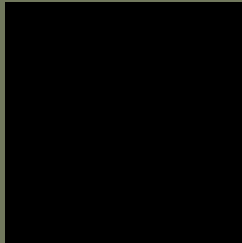
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 15.974, 118.936

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.974, 118.936.



This preview shows how white text looks on a background with the CIELCh color 49, 15.974, 118.936.

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, 15.974, 118.936

Protanopia

49, 15.004, 94.664

Deuteranopia

49, 14.746, 65.251



Tritanopia
49, 5.365, 299.312

Trichromacy



Original Color
49, 15.974, 118.936

Protanomaly
49, 14.619, 103.086

Deuteranomaly
49, 13.914, 86.210

Tritanomaly
49, 2.484, 128.960

Monochromacy



Original Color
49, 15.974, 118.936

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.001, 121.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.974, 118.936 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(113, 120, 93)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 93)  
}
```

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(113, 120, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.974, 118.936 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(113, 120, 93) }
```

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

```
.border{ border-color:rgb(113, 120, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 93);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.974, 118.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 93) }
```

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

```
.background{ background-color: rgb(113,  
120, 93) }
```

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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