

Converting Colors

CIELCh(49, 6.971, 144.674)

Have a look what the booklet for
CIELCh(49, 6.971, 144.674) contains.

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Color

CIELCh(49, 7.173, 144.000)

Conversions

Conversions Part 1

Format	Color
Hex	6D776D
RGB	109, 119, 109
RGB Percent	43%, 47%, 43%
CMY	0.5720, 0.5328, 0.5720
CMYK	0.08, 0.00, 0.08, 0.53
HSL	120°, 4%, 45%
HSV	120°, 8%, 47%
XYZ	15.7049, 17.5941, 17.0751
YIQ	114.8700, -2.7500, -5.2300

Conversions

Conversions Part 2

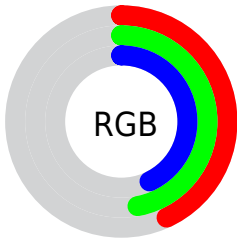
Format	Color
R _Y B	109, 119, 119
Decimal	7173997
CIE Lab	49.00, -5.80, 4.22
CIE LCh	49, 7.173, 144.000
Yxy	17.5941, 0.3118, 0.3493
Android (android.graphics.Color)	4285364077 (0xFF6D776D)
YUV	114.8700, -2.8939, -5.1480
Hunter-Lab	41.9453, -6.5713, 5.2258

Details

The CIELCh color $49, 7.173, 144.000$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 7.187, 324.855$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 7.376, 144.110$, and $29, 7.076, 143.785$ is the 20% darker color. If you saturate the color by 10%, you get $48, 15.800, 143.346$, and if you desaturate by 10%, it is $50, 1.366, 324.394$.

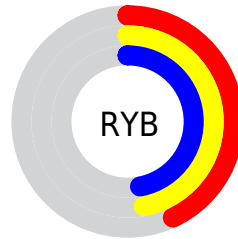
Distribution



Red (43%)

Green (47%)

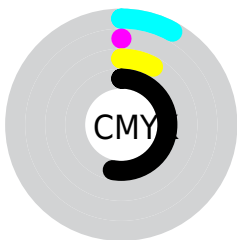
Blue (43%)



Red (43%)

Yellow (47%)

Blue (47%)

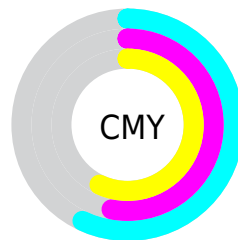


Cyan (8%)

Magenta (0%)

Yellow (8%)

Black (53%)



Cyan (57%)

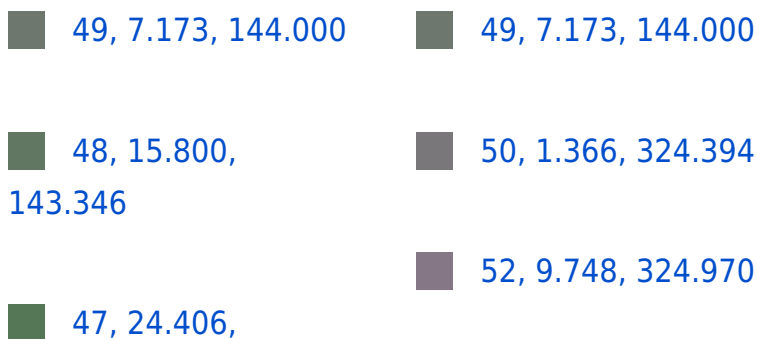
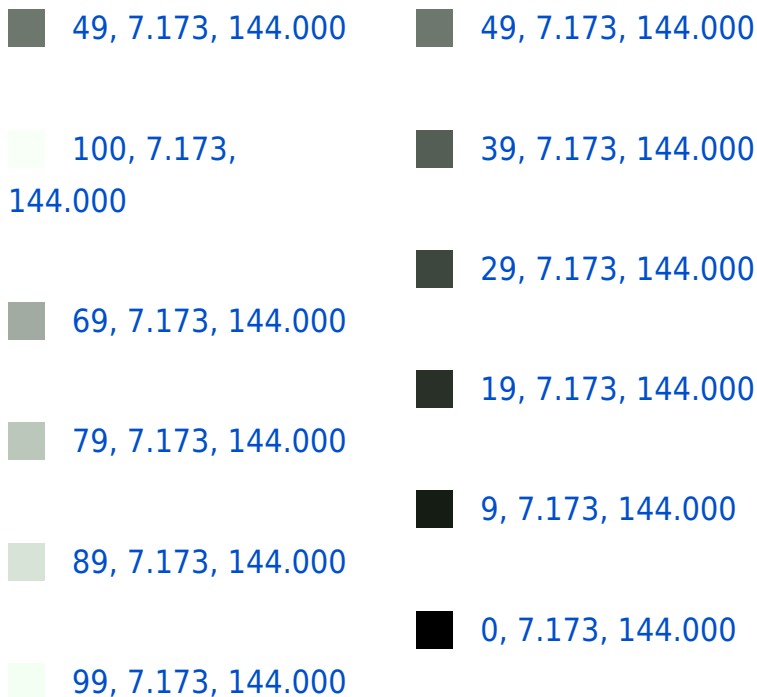
Magenta (53%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 7.173, 144.000 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, 7.173, 144.000 by changing the saturation by 10% instead.



142.596

53, 17.923,
325.375

46, 32.854,
141.736

55, 25.861,
325.716

45, 40.962,
140.767

57, 33.548,
326.006

44, 48.506,
139.713

58, 40.979,
326.255

44, 55.214,
138.627

60, 48.156,
326.468

44, 60.777,
137.600

62, 55.089,
326.652

43, 64.884,
136.760

64, 61.787,
326.812

43, 67.775,
136.123

Harmonies

Complementary

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



49, 7.173, 144.000



47, 7.187, 324.855

Rectangle

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



49, 7.173, 144.000



49, 7.173, 194.000



49, 7.173, 324.000



49, 7.173, 14.000

Sweetspot

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



49, 7.174, 144.000



64, 3.172, 144.345



50, 5.733, 108.725



33, 2.426, 144.293



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, 7.174, 144.000



63, 10.642, 143.884



49, 5.064, 162.163



24, 4.750, 143.962



44, 69.576, 136.016



86, 117.958, 136.016

Inverse Universe

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



47, 7.187, 324.855



60, 10.658, 324.956



47, 5.117, 343.365



23, 4.757, 324.889



28, 67.130, 328.232



59, 113.811, 328.232

Previews

White Background



This preview shows how the CIELCh color 49, 7.173, 144.000 looks on a white background.

Color Contrast Check

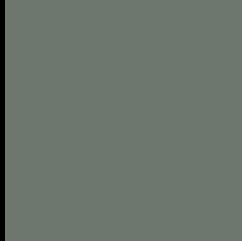
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 7.173, 144.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

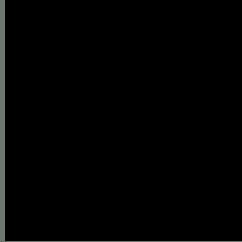
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

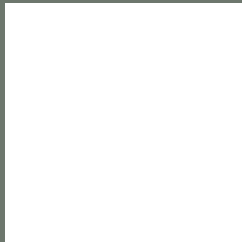
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 7.173, 144.000

Background



This preview shows how black text looks on a background with the CIELCh color 49, 7.173, 144.000.

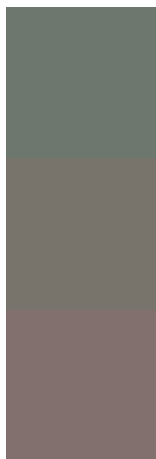


This preview shows how white text looks on a background with the CIELCh color 49, 7.173, 144.000.

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, 7.173, 144.000

Protanopia

49, 5.515, 91.827

Deuteranopia

49, 7.548, 24.660



Tritanopia
49, 5.590, 270.626

Trichromacy



Original Color
49, 7.173, 144.000

Protanomaly
49, 5.282, 113.962

Deuteranomaly
49, 4.114, 64.829

Tritanomaly
49, 2.980, 222.475

Monochromacy



Original Color
49, 7.173, 144.000

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 2.864, 144.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 7.173, 144.000 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(109, 119, 109)` looks like.

```
.text, #text, p{  
    color:rgb(109, 119, 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(109, 119, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 119, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 7.173, 144.000 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(109, 119, 109) }
```

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

```
.border{ border-color:rgb(109, 119, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 119, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 119, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 119, 109);  
box-shadow:4px 4px 4px 4px rgb(109, 119,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 7.173, 144.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 119, 109) }
```

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

```
.background{ background-color: rgb(109,  
119, 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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