

Converting Colors

CIELCh(49, 6.829, 92.853)

Have a look what the booklet for
CIELCh(49, 6.829, 92.853) contains.

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Color

CIELCh(49, 6.761, 91.174)

Conversions

Conversions Part 1	
Format	Color
Hex	797469
RGB	121, 116, 105
RGB Percent	47%, 45%, 41%
CMY	0.5253, 0.5449, 0.5880
CMYK	0.00, 0.04, 0.13, 0.53
HSL	41°, 7%, 44%
HSV	41°, 13%, 47%
XYZ	16.6978, 17.5941, 15.8954
YIQ	116.2410, 6.5110, -2.3610

Conversions

Conversions Part 2

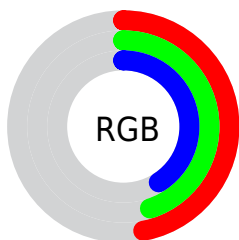
Format	Color
RYB	112, 121, 105
Decimal	7959657
CIELab	49.00, -0.14, 6.76
CIELCh	49, 6.761, 91.174
Yxy	17.5941, 0.3327, 0.3506
Android (android.graphics.Color)	4286149737 (0xFF797469)
YUV	116.2410, -5.5418, 4.1736
Hunter-Lab	41.9453, -2.3458, 6.8934

Details

The CIELCh color $49, 6.761, 91.174$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 6.770, 274.459$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 6.835, 92.931$, and $29, 6.675, 92.610$ is the 20% darker color. If you saturate the color by 10%, you get $48, 11.987, 89.972$, and if you desaturate by 10%, it is $50, 1.627, 92.297$.

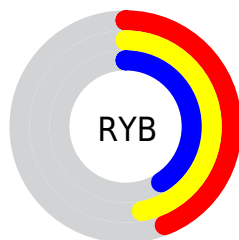
Distribution



Red (47%)

Green (45%)

Blue (41%)



Red (44%)

Yellow (47%)

Blue (41%)

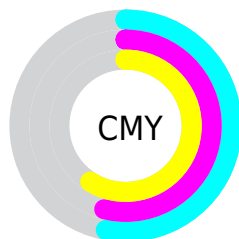


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (53%)



Cyan (53%)

Magenta (54%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 6.761, 91.174 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, 6.761, 91.174 by changing the saturation by 10% instead.

 49, 6.761, 91.174  49, 6.761, 91.174

 100, 6.761, 91.174  39, 6.761, 91.174

 69, 6.761, 91.174  29, 6.761, 91.174

 79, 6.761, 91.174  19, 6.761, 91.174

 89, 6.761, 91.174  9, 6.761, 91.174

 99, 6.761, 91.174  0, 6.761, 91.174

 49, 6.761, 91.174  49, 6.761, 91.174

 48, 11.987, 89.972  50, 1.627, 92.297

 46, 17.289, 88.714  52, 3.415, 273.581

 45, 22.639, 87.420  53, 8.367, 274.649

■ 44, 27.980, 86.088

■ 55, 13.232,
275.691

■ 43, 33.202, 84.709

■ 56, 18.017,
276.687

■ 41, 38.110, 83.255

■ 40, 42.387, 81.669

■ 58, 22.726,
277.636

■ 39, 45.610, 79.851

■ 59, 27.366,
278.537

■ 38, 47.731, 78.672

■ 61, 31.940,
279.392

■ 62, 36.455,
280.201

Harmonies

Complementary

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



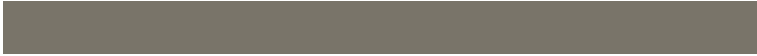
49, 6.761, 91.174



46, 6.770, 274.459

Rectangle

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



49, 6.761, 91.174



49, 6.761, 141.174



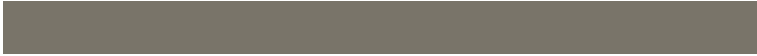
49, 6.761, 271.174



49, 6.761, 321.174

Sweetspot

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



49, 6.762, 91.186



64, 2.520, 92.216



46, 7.281, 355.993



33, 1.783, 92.151



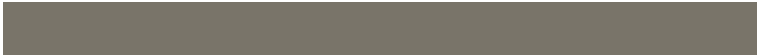
83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 6.762, 91.186



62, 10.214, 90.805



50, 9.386, 116.469



25, 2.895, 91.671



40, 48.820, 78.580



77, 82.008, 77.054

Inverse Universe

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



46, 6.770, 274.459



58, 10.223, 274.908



45, 9.645, 298.301



24, 2.902, 273.912



20, 57.531, 296.518



42, 102.294, 298.398

Previews

White Background



This preview shows how the CIELCh color 49, 6.761, 91.174 looks on a white background.

Color Contrast Check

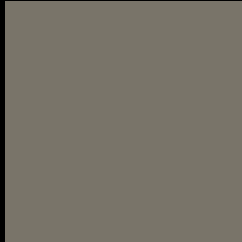
Large Text (above 18pt) WCAG AA ✓ Pass

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, 6.761, 91.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

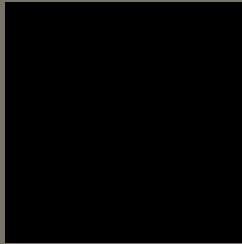
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

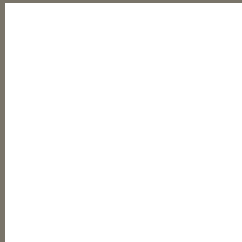
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 6.761, 91.174

Background



This preview shows how black text looks on a background with the CIELCh color 49, 6.761, 91.174.



This preview shows how white text looks on a background with the CIELCh color 49, 6.761, 91.174.

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, 6.761, 91.174

Protanopia

49, 6.761, 91.174

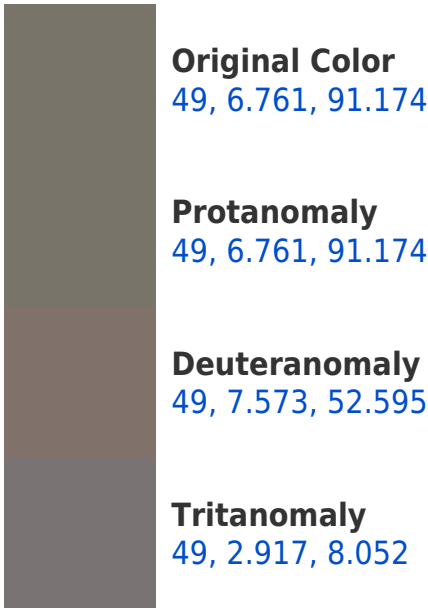
Deuteranopia

49, 9.229, 42.502

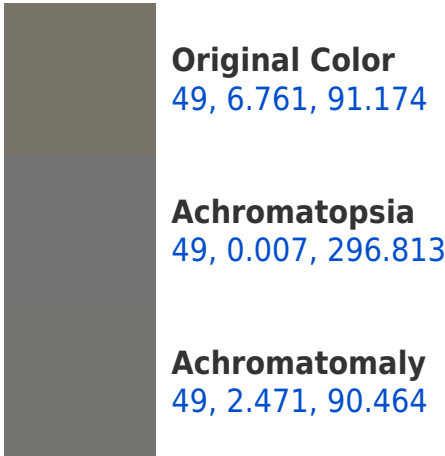


Tritanopia
49, 5.952, 327.984

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 6.761, 91.174 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(121, 116, 105)` looks like.

```
.text, #text, p{  
    color:rgb(121, 116, 105)  
}
```

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(121, 116, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 116, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 6.761, 91.174 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(121, 116, 105) }
```

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

```
.border{ border-color:rgb(121, 116, 105) }
```

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

Here you see how a box with a 4 pixel rgb(121, 116, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 116, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 116, 105);  
box-shadow:4px 4px 4px 4px rgb(121, 116,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 6.761, 91.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 116, 105) }
```

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

```
.background{ background-color: rgb(121,  
116, 105) }
```

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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