

Converting Colors

CIELCh(49, 17.999, 107.813)

Have a look what the booklet for
CIELCh(49, 17.999, 107.813)
contains.

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Color

CIELCh(49, 17.994, 107.758)

Conversions

Conversions Part 1	
Format	Color
Hex	767657
RGB	118, 118, 87
RGB Percent	46%, 46%, 34%
CMY	0.5361, 0.5361, 0.6577
CMYK	0.00, 0.00, 0.26, 0.54
HSL	60°, 15%, 40%
HSV	60°, 26%, 46%
XYZ	15.7590, 17.5941, 11.6443
YIQ	114.4660, 9.9510, -9.6410

Conversions

Conversions Part 2

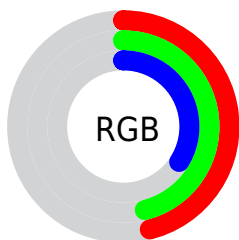
Format	Color
RYB	87, 118, 87
Decimal	7763543
CIELab	49.00, -5.49, 17.14
CIELCh	49, 17.994, 107.758
Yxy	17.5941, 0.3502, 0.3910
Android (android.graphics.Color)	4285953623 (0xFF767657)
YUV	114.4660, -13.5407, 3.0993
Hunter-Lab	41.9453, -6.3409, 12.9024

Details

The CIELCh color $49, 17.994, 107.758$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $38, 19.090, 293.122$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 17.974, 108.331$, and $29, 18.269, 108.190$ is the 20% darker color. If you saturate the color by 10%, you get $49, 24.691, 106.850$, and if you desaturate by 10%, it is $49, 11.176, 108.685$.

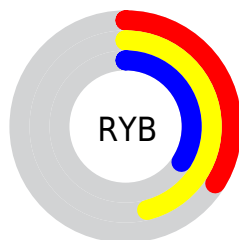
Distribution



Red (46%)

Green (46%)

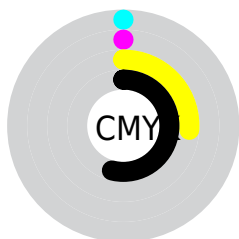
Blue (34%)



Red (34%)

Yellow (46%)

Blue (34%)

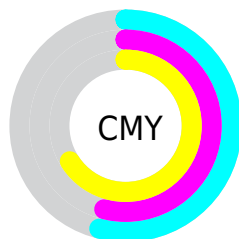


Cyan (0%)

Magenta (0%)

Yellow (26%)

Black (54%)



Cyan (54%)


Magenta (54%)

Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 17.994, 107.758 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, 17.994, 107.758 by changing the saturation by 10% instead.


 49, 17.994,
107.758


 49, 17.994,
107.758

 100, 17.994,
107.758


 39, 17.994,
107.758

 69, 17.994,
107.758


 29, 17.994,
107.758

 79, 17.994,
107.758

 19, 17.994,
107.758

 89, 17.994,
107.758

 9, 17.994, 107.758

 99, 17.994,
107.758

 0, 17.994, 107.758

 49, 17.994,

 49, 17.994,

107.758


107.758

 49, 24.691,
106.850

 49, 11.176,
108.685


 49, 31.175,
105.968


 50, 4.290, 109.601


 48, 37.316,
105.140


 50, 2.624, 290.536

 50, 9.542, 291.409


 48, 42.922,
104.395

 51, 16.446,
292.264


 48, 47.733,
103.767


 51, 23.322,
293.085

 48, 51.449,
103.291

 52, 30.162,
293.870

 48, 54.003,
102.968

 52, 36.958,
294.616

 48, 54.937,
102.851

 53, 43.703,

Harmonies

Complementary

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



49, 17.994, 107.758



38, 19.090, 293.122

Rectangle

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



49, 17.994, 107.758



49, 17.994, 157.758



49, 17.994, 287.758



49, 17.994, 337.758

Sweetspot

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



49, 17.995, 107.762



63, 6.816, 109.422



40, 13.728, 20.048



32, 4.814, 109.307



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



49, 17.995, 107.762



62, 26.178, 107.254



48, 19.211, 127.322



25, 3.857, 109.346



50, 56.292, 102.851



95, 95.437, 102.851

Inverse Universe

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



38, 19.090, 293.122



46, 28.179, 293.914



40, 19.910, 309.701



22, 3.936, 291.063



12, 77.729, 306.287



32, 131.782, 306.287

Previews

White Background



This preview shows how the CIELCh color 49, 17.994, 107.758 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, 17.994, 107.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

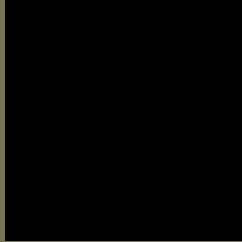
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

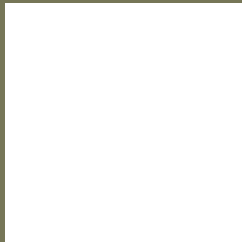
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 17.994, 107.758

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.994, 107.758.



This preview shows how white text looks on a background with the CIELCh color 49, 17.994, 107.758.

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, 17.994, 107.758

Protanopia

49, 17.932, 94.903

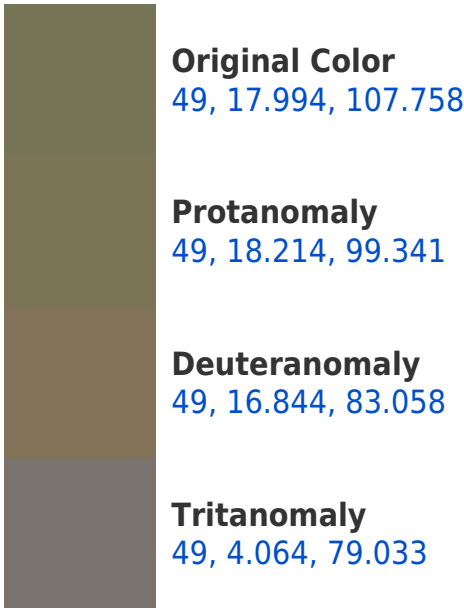
Deuteranopia

49, 17.663, 69.031

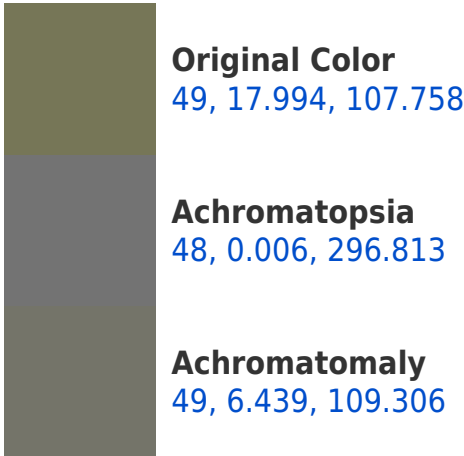


Tritanopia
49, 6.425, 324.797

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.994, 107.758 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(118, 118, 87)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 87)  
}
```

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(118, 118, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.994, 107.758 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(118, 118, 87) }
```

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

```
.border{ border-color:rgb(118, 118, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 87);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.994, 107.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 87) }
```

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

```
.background{ background-color: rgb(118,  
118, 87) }
```

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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