

Converting Colors

CIELCh(49, 12.871, 1.220)

Have a look what the booklet for
CIELCh(49, 12.871, 1.220) contains.

CIELCh(49, 12.675, 2.226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 12.675, 2.226)

Conversions

Conversions Part 1

Format	Color
Hex	8A6D74
RGB	138, 109, 116
RGB Percent	54%, 43%, 45%
CMY	0.4589, 0.5726, 0.5452
CMYK	0.00, 0.21, 0.16, 0.46
HSL	346°, 12%, 48%
HSV	346°, 21%, 54%
XYZ	19.0946, 17.5941, 18.9056
YIQ	118.4690, 15.0370, 8.3250

Conversions

Conversions Part 2

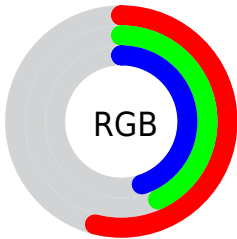
Format	Color
R_{YB}	138, 109, 116
Decimal	9071988
CIE _{Lab}	49.00, 12.67, 0.49
CIE _{LCh}	49, 12.675, 2.226
Yxy	17.5941, 0.3435, 0.3165
Android (android.graphics.Color)	4287262068 (0xFF8A6D74)
YUV	118.4690, -1.2172, 17.1287
Hunter-Lab	41.9453, 7.8536, 2.6385

Details

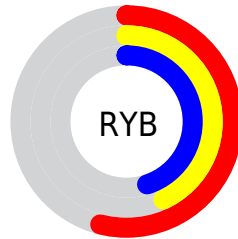
The CIELCh color $49, 12.675, 2.226$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $55, 11.792, 178.274$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 12.558, 2.864$, and $29, 13.057, 1.949$ is the 20% darker color. If you saturate the color by 10%, you get $45, 19.065, 3.518$, and if you desaturate by 10%, it is $53, 6.498, 1.120$.

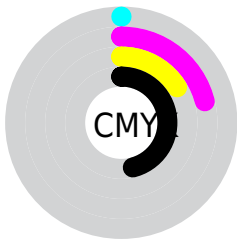
Distribution



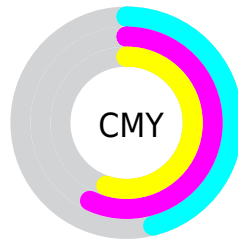
- Red (54%)
- Green (43%)
- Blue (45%)



- Red (54%)
- Yellow (43%)
- Blue (45%)



- Cyan (0%)
- Magenta (21%)
- Yellow (16%)
- Black (46%)





- Cyan (46%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 12.675, 2.226 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, 12.675, 2.226 by changing the saturation by 10% instead.

 49, 12.675, 2.226  49, 12.675, 2.226


 100, 12.675, 2.226  39, 12.675, 2.226

 69, 12.675, 2.226  29, 12.675, 2.226

 79, 12.675, 2.226  19, 12.675, 2.226

 89, 12.675, 2.226  9, 12.675, 2.226

 99, 12.675, 2.226  0, 12.675, 2.226

 49, 12.675, 2.226  49, 12.675, 2.226

 45, 19.065, 3.518  53, 6.498, 1.120

 41, 25.580, 5.056  57, 0.588, 359.601

 38, 32.067, 6.936  61, 5.041, 179.504

35, 38.312, 9.274

65, 10.390,
178.742

32, 44.060, 12.210

70, 15.473,
178.084

30, 49.081, 15.889

29, 53.273, 20.397

74, 20.309,
177.495

28, 56.749, 24.709

78, 24.920,
176.961

82, 29.327,
176.474

86, 33.550,
176.027

Harmonies

Complementary

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



49, 12.675, 2.226



55, 11.792, 178.274

Rectangle

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



49, 12.675, 2.226



49, 12.675, 52.226



49, 12.675, 182.226



49, 12.675, 232.226

Sweetspot

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



49, 12.673, 2.231



70, 4.319, 0.600



49, 19.046, 318.165



36, 2.857, 0.658



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 12.673, 2.231



60, 18.774, 2.786



51, 10.180, 44.600



27, 3.309, 0.923



27, 55.050, 24.473



0, 1.505, 0.150

Inverse Universe

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



49, 12.673, 2.231



60, 18.774, 2.786



53, 8.962, 226.728



27, 3.309, 0.923



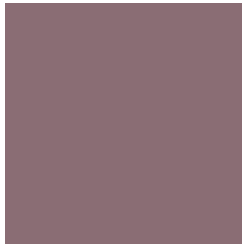
27, 55.050, 24.473



0, 1.505, 0.150

Previews

White Background



This preview shows how the CIELCh color 49, 12.675, 2.226 looks on a white background.

Color Contrast Check

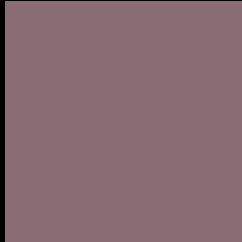
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.675, 2.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

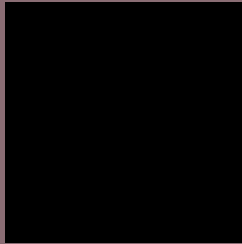
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 12.675, 2.226

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.675, 2.226.



This preview shows how white text looks on a background with the CIELCh color 49, 12.675, 2.226.

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, 12.675, 2.226

Protanopia

49, 2.495, 309.174

Deuteranopia

49, 6.292, 9.409



Tritanopia
49, 12.840, 359.729

Trichromacy



Original Color
49, 12.675, 2.226

Protanomaly
49, 6.026, 344.371

Deuteranomaly
49, 8.457, 8.464

Tritanomaly
49, 12.840, 359.729

Monochromacy



Original Color
49, 12.675, 2.226

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 4.252, 3.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 12.675, 2.226 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(138, 109, 116)` looks like.

```
.text, #text, p{  
    color:rgb(138, 109, 116)  
}
```

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(138, 109, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 109, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.675, 2.226 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(138, 109, 116) }
```

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

```
.border{ border-color:rgb(138, 109, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 109, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 109, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 109, 116);  
box-shadow:4px 4px 4px 4px rgb(138, 109,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.675, 2.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 109, 116) }
```

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

```
.background{ background-color: rgb(138,  
109, 116) }
```

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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