

Converting Colors

CIELCh(64, 13.438, 64.808)

Have a look what the booklet for
CIELCh(64, 13.438, 64.808) contains.

CIELCh(64, 13.412, 64.412)	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(64, 13.412, 64.412)

Conversions

Conversions Part 1

Format	Color
Hex	AE9786
RGB	174, 151, 134
RGB Percent	68%, 59%, 53%
CMY	0.3181, 0.4083, 0.4749
CMYK	0.00, 0.13, 0.23, 0.32
HSL	26°, 20%, 60%
HSV	26°, 23%, 68%
XYZ	32.7747, 32.8017, 27.1187
YIQ	155.9390, 19.1650, -0.4110

Conversions

Conversions Part 2

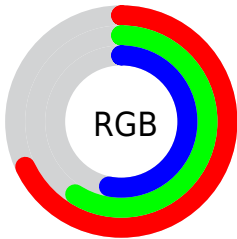
Format	Color
RYB	174, 164, 134
Decimal	11442054
CIELab	64.00, 5.79, 12.10
CIElCh	64, 13.412, 64.412
Yxy	32.8017, 0.3536, 0.3539
Android (android.graphics.Color)	4289632134 (0xFFAE9786)
YUV	155.9390, -10.8159, 15.8395
Hunter-Lab	57.2727, 1.9206, 12.0171

Details

The CIELCh color $64, 13.412, 64.412$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $63, 12.261, 249.969$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 13.500, 64.096$, and $44, 13.544, 64.541$ is the 20% darker color. If you saturate the color by 10%, you get $61, 19.829, 63.383$, and if you desaturate by 10%, it is $67, 7.361, 65.462$.

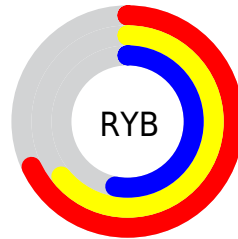
Distribution



Red (68%)

Green (59%)

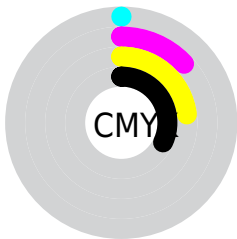
Blue (53%)



Red (68%)

Yellow (64%)

Blue (53%)

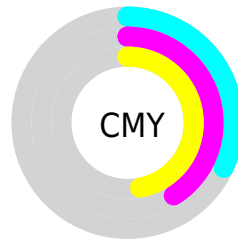


Cyan (0%)

Magenta (13%)

Yellow (23%)

Black (32%)



Cyan (32%)

Magenta (41%)

Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 13.412, 64.412 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 64, 13.412, 64.412 by changing the saturation by 10% instead.

 64, 13.412, 64.412

 64, 13.412, 64.412

 100, 13.412,
64.412

 54, 13.412, 64.412

 84, 13.412, 64.412

 44, 13.412, 64.412

 94, 13.412, 64.412

 34, 13.412, 64.412

 24, 13.412, 64.412

 14, 13.412, 64.412

 4, 13.412, 64.412

 0, 13.412, 64.412

 64, 13.412, 64.412

 64, 13.412, 64.412

 61, 19.829, 63.383

 67, 7.361, 65.462

58, 26.626, 62.364

70, 1.647, 66.350

55, 33.792, 61.369

73, 3.761, 247.748

53, 41.257, 60.381

76, 8.897, 248.737

50, 48.838, 59.343

80, 13.792,
249.748

48, 56.134, 58.107

83, 18.476,
250.738

45, 62.380, 56.372

86, 22.742,
251.115

44, 66.189, 55.032

89, 21.518,
234.488

91, 22.135,
217.628

Harmonies

Complementary

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



64, 13.412, 64.412



63, 12.261, 249.969

Rectangle

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



64, 13.412, 64.412



64, 13.412, 114.412



64, 13.412, 244.412



64, 13.412, 294.412

Sweetspot

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



64, 13.412, 64.422



88, 4.838, 66.046



60, 20.231, 341.251



47, 3.174, 65.991



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 13.412, 64.422



80, 20.612, 63.849



69, 19.979, 104.236



35, 3.164, 65.836



38, 59.296, 55.502



4, 6.396, 57.354

Inverse Universe

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



63, 12.261, 249.969



79, 18.390, 250.904



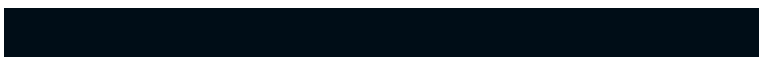
58, 20.865, 289.371



35, 3.063, 248.052



36, 41.257, 274.808



3, 6.950, 257.622

Previews

White Background



This preview shows how the CIELCh color 64, 13.412, 64.412 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 13.412, 64.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

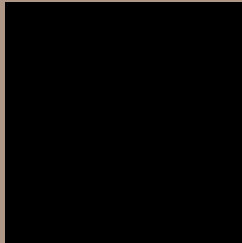
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 13.412, 64.412

Background



This preview shows how black text looks on a background with the CIELCh color 64, 13.412, 64.412.



This preview shows how white text looks on a background with the CIELCh color 64, 13.412, 64.412.

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

64, 13.412, 64.412

Protanopia

64, 10.906, 94.003

Deuteranopia

64, 14.650, 54.685



Tritanopia
64, 13.411, 350.974

Trichromacy



Original Color
64, 13.412, 64.412

Protanomaly
64, 11.622, 84.212

Deuteranomaly
64, 14.306, 58.279

Tritanomaly
64, 11.141, 14.764

Monochromacy



Original Color
64, 13.412, 64.412

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.847, 62.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 13.412, 64.412 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(174, 151, 134)` looks like.

```
.text, #text, p{  
    color:rgb(174, 151, 134)  
}
```

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(174, 151, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 151, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 13.412, 64.412 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(174, 151, 134) }
```

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

```
.border{ border-color:rgb(174, 151, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 151, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 151, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 151, 134);  
box-shadow:4px 4px 4px 4px rgb(174, 151,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 13.412, 64.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 151, 134) }
```

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

```
.background{ background-color: rgb(174,  
151, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor