

Converting Colors

CIELCh(57, 11.874, 103.303)

Have a look what the booklet for
CIELCh(57, 11.874, 103.303)
contains.

CIELCh(57, 11.924, 104.772)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 11.924, 104.772)

Conversions

Conversions Part 1

Format	Color
Hex	8C8A75
RGB	140, 138, 117
RGB Percent	55%, 54%, 46%
CMY	0.4521, 0.4599, 0.5423
CMYK	0.00, 0.01, 0.16, 0.45
HSL	55°, 9%, 50%
HSV	55°, 16%, 55%
XYZ	23.0082, 24.9227, 20.3412
YIQ	136.2040, 7.9330, -6.1070

Conversions

Conversions Part 2

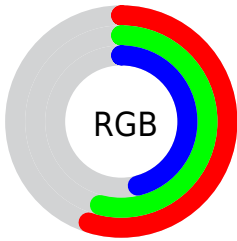
Format	Color
R_{YB}	119, 140, 117
Decimal	9210485
CIE Lab	57.00, -3.04, 11.53
CIE LCh	57, 11.924, 104.772
Yxy	24.9227, 0.3370, 0.3650
Android (android.graphics.Color)	4287400565 (0xFF8C8A75)
YUV	136.2040, -9.4676, 3.3291
Hunter-Lab	49.9226, -5.0979, 10.7879

Details

The CIELCh color $57, 11.924, 104.772$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $50, 12.283, 288.285$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 11.800, 103.445$, and $37, 11.672, 103.771$ is the 20% darker color. If you saturate the color by 10%, you get $56, 19.142, 103.754$, and if you desaturate by 10%, it is $58, 4.675, 105.780$.

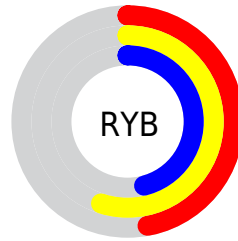
Distribution



Red (55%)

Green (54%)

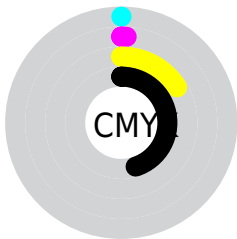
Blue (46%)



Red (47%)

Yellow (55%)

Blue (46%)

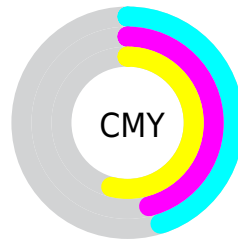


Cyan (0%)

Magenta (1%)

Yellow (16%)

Black (45%)



Cyan (45%)


Magenta (46%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 11.924, 104.772 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 57, 11.924, 104.772 by changing the saturation by 10% instead.


 57, 11.924,
104.772


 57, 11.924,
104.772


 100, 11.924,
104.772


 47, 11.924,
104.772


 77, 11.924,
104.772

 37, 11.924,
104.772

 87, 11.924,
104.772

 27, 11.924,
104.772

 97, 11.924,
104.772

 17, 11.924,
104.772

 7, 11.924, 104.772

 0, 11.924, 104.772

■ 57, 11.924,
104.772

■ 57, 11.924,
104.772

■ 56, 19.142,
103.754

■ 58, 4.675, 105.780

■ 56, 26.268,
102.725

■ 58, 2.575, 286.814

■ 59, 9.803, 287.748

■ 55, 33.214,
101.705

■ 60, 16.994,
288.665

■ 55, 39.833,
100.711

■ 61, 24.141,
289.545

■ 54, 45.905, 99.763

■ 62, 31.237,
290.384

■ 54, 51.108, 98.880

■ 63, 38.278,
291.180

■ 53, 55.048, 98.081

■ 53, 57.508, 97.363

■ 63, 45.262,
291.934

■ 53, 58.303, 97.117

■ 64, 52.185,
292.646

Harmonies

Complementary

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



57, 11.924, 104.772



50, 12.283, 288.285

Rectangle

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



57, 11.924, 104.772



57, 11.924, 154.772



57, 11.924, 284.772



57, 11.924, 334.772

Sweetspot

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



57, 11.925, 104.779



73, 4.471, 105.910



51, 9.577, 12.526



39, 3.075, 105.851



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



57, 11.925, 104.779



72, 17.902, 104.374



57, 13.582, 124.713



29, 4.040, 105.515



50, 56.151, 97.148



1, 1.880, 106.435

Inverse Universe

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



50, 12.283, 288.285



62, 18.577, 288.803



51, 13.945, 306.334



27, 4.110, 287.413



15, 77.905, 304.741



0, 1.881, 286.437

Previews

White Background



This preview shows how the CIELCh color 57, 11.924, 104.772 looks on a white background.

Color Contrast Check

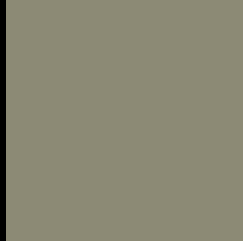
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 11.924, 104.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

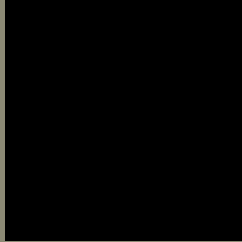
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

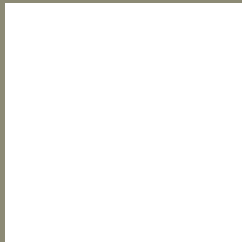
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 11.924, 104.772

Background



This preview shows how black text looks on a background with the CIELCh color 57, 11.924, 104.772.



This preview shows how white text looks on a background with the CIELCh color 57, 11.924, 104.772.

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

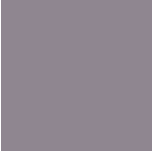
57, 11.924, 104.772

Protanopia

57, 11.835, 92.416

Deuteranopia

57, 13.275, 56.755



Tritanopia
57, 6.726, 322.013

Trichromacy



Original Color
57, 11.924, 104.772

Protanomaly
57, 12.086, 98.828

Deuteranomaly
57, 11.584, 71.160

Tritanomaly
57, 2.835, 31.099

Monochromacy



Original Color
57, 11.924, 104.772

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 4.545, 109.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 11.924, 104.772 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(140, 138, 117)` looks like.

```
.text, #text, p{  
    color:rgb(140, 138, 117)  
}
```

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(140, 138, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 138, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 11.924, 104.772 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(140, 138, 117) }
```

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

```
.border{ border-color:rgb(140, 138, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 138, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 138, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 138, 117);  
box-shadow:4px 4px 4px 4px rgb(140, 138,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 11.924, 104.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 138, 117) }
```

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

```
.background{ background-color: rgb(140,  
138, 117) }
```

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