

Converting Colors

CIELCh(57, 21.606, 117.463)

Have a look what the booklet for
CIELCh(57, 21.606, 117.463)
contains.

CIELCh(57, 21.722, 117.728)	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, 21.722, 117.728)

Conversions

Conversions Part 1

Format	Color
Hex	848D67
RGB	132, 141, 103
RGB Percent	52%, 55%, 40%
CMY	0.4825, 0.4472, 0.5962
CMYK	0.06, 0.00, 0.27, 0.45
HSL	74°, 16%, 48%
HSV	74°, 27%, 55%
XYZ	21.4782, 24.9227, 16.5030
YIQ	133.9770, 6.8340, -13.7260

Conversions

Conversions Part 2

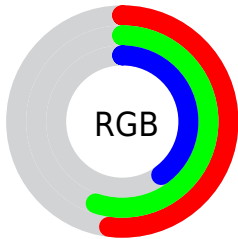
Format	Color
R_{YB}	103, 141, 112
Decimal	8686951
CIE _{Lab}	57.00, -10.11, 19.23
CIE _{LCh}	57, 21.722, 117.728
Yxy	24.9227, 0.3414, 0.3962
Android (android.graphics.Color)	4286877031 (0xFF848D67)
YUV	133.9770, -15.2717, -1.7338
Hunter-Lab	49.9226, -10.5686, 15.3462

Details

The CIELCh color $57, 21.722, 117.728$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $46, 22.962, 301.371$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 22.149, 118.353$, and $37, 21.557, 117.977$ is the 20% darker color. If you saturate the color by 10%, you get $56, 29.586, 117.112$, and if you desaturate by 10%, it is $58, 13.714, 118.362$.

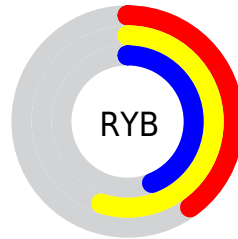
Distribution



Red (52%)

Green (55%)

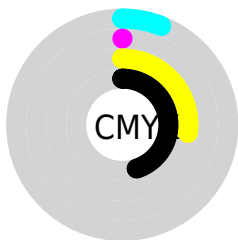
Blue (40%)



Red (40%)

Yellow (55%)

Blue (44%)

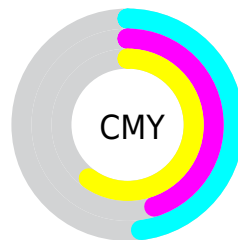


Cyan (6%)

Magenta (0%)

Yellow (27%)

Black (45%)



Cyan (48%)


Magenta (45%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 21.722, 117.728 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, 21.722, 117.728 by changing the saturation by 10% instead.


 57, 21.722,
117.728


 57, 21.722,
117.728


 100, 21.722,
117.728


 47, 21.722,
117.728


 77, 21.722,
117.728

 37, 21.722,
117.728

 87, 21.722,
117.728

 27, 21.722,
117.728

 97, 21.722,
117.728

 17, 21.722,
117.728

 7, 21.722, 117.728

 0, 21.722, 117.728

■ 57, 21.722,
117.728

■ 57, 21.722,
117.728

■ 56, 29.586,
117.112

■ 58, 13.714,
118.362

■ 56, 37.194,
116.535

■ 58, 5.631, 118.989

■ 56, 44.388,
116.040

■ 59, 2.476, 299.585

■ 55, 50.935,
115.686

■ 60, 10.571,
300.171

■ 55, 56.525,
115.554

■ 60, 18.630,
300.722

■ 55, 60.809,
115.734

■ 61, 26.633,
301.239

■ 54, 63.678,
116.259

■ 62, 34.567,
301.723

■ 54, 64.492,

■ 63, 42.421,
302.172

116.422

■ 64, 50.187,
302.589

Harmonies

Complementary

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



57, 21.722, 117.728



46, 22.962, 301.371

Rectangle

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



57, 21.722, 117.728



57, 21.722, 167.728



57, 21.722, 297.728



57, 21.722, 347.728

Sweetspot

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



57, 21.723, 117.731



74, 8.036, 118.914



50, 13.710, 42.669



39, 5.690, 118.828



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, 21.723, 117.731



72, 31.885, 117.373



56, 24.439, 135.522



30, 4.620, 118.850



52, 62.531, 116.375



2, 3.132, 119.409

Inverse Universe

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



46, 22.962, 301.371



56, 34.165, 301.882



48, 24.857, 317.900



28, 4.709, 299.999



16, 81.595, 307.802



0, 3.132, 299.409

Previews

White Background



This preview shows how the CIELCh color 57, 21.722, 117.728 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, 21.722, 117.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

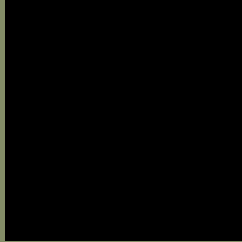
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

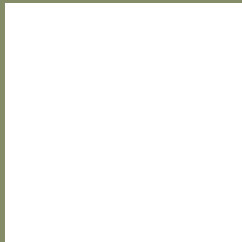
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 21.722, 117.728

Background



This preview shows how black text looks on a background with the CIELCh color 57, 21.722, 117.728.



This preview shows how white text looks on a background with the CIELCh color 57, 21.722, 117.728.

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, 21.722, 117.728

Protanopia

57, 20.382, 94.267

Deuteranopia

57, 19.617, 68.375



Tritanopia
57, 6.407, 301.218

Trichromacy



Original Color
57, 21.722, 117.728

Protanomaly
57, 20.381, 102.906

Deuteranomaly
57, 18.771, 87.865

Tritanomaly
57, 4.001, 115.412

Monochromacy



Original Color
57, 21.722, 117.728

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 8.137, 120.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 21.722, 117.728 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(132, 141, 103)` looks like.

```
.text, #text, p{  
    color:rgb(132, 141, 103)  
}
```

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(132, 141, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 141, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 21.722, 117.728 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(132, 141, 103) }
```

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

```
.border{ border-color:rgb(132, 141, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 141, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 141, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 141, 103);  
box-shadow:4px 4px 4px 4px rgb(132, 141,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 21.722, 117.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 141, 103) }
```

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

```
.background{ background-color: rgb(132,  
141, 103) }
```

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