

Converting Colors

CIELCh(57, 15.402, 152.876)

Have a look what the booklet for
CIELCh(57, 15.402, 152.876)
contains.

CIELCh(57, 15.234, 152.788)	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, 15.234, 152.788)

Conversions

Conversions Part 1

Format	Color
Hex	748F7C
RGB	116, 143, 124
RGB Percent	45%, 56%, 49%
CMY	0.5440, 0.4381, 0.5127
CMYK	0.19, 0.00, 0.13, 0.44
HSL	138°, 11%, 51%
HSV	138°, 19%, 56%
XYZ	20.7583, 24.9227, 22.8755
YIQ	132.7610, -9.9930, -11.6330

Conversions

Conversions Part 2

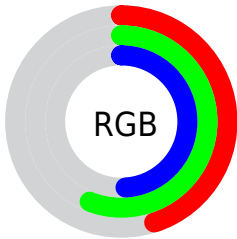
Format	Color
R_{YB}	116, 137, 143
Decimal	7638908
CIE Lab	57.00, -13.55, 6.97
CIE LCh	57, 15.234, 152.788
Yxy	24.9227, 0.3028, 0.3635
Android (android.graphics.Color)	4285828988 (0xFF748F7C)
YUV	132.7610, -4.3192, -14.6994
Hunter-Lab	49.9226, -13.1425, 7.7781

Details

The CIELCh color $57, 15.234, 152.788$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $52, 15.350, 335.392$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 15.249, 153.653$, and $37, 15.702, 152.557$ is the 20% darker color. If you saturate the color by 10%, you get $56, 23.306, 151.906$, and if you desaturate by 10%, it is $58, 7.128, 153.572$.

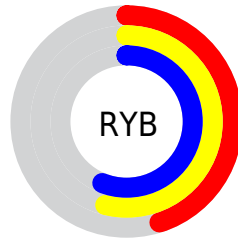
Distribution



Red (45%)

Green (56%)

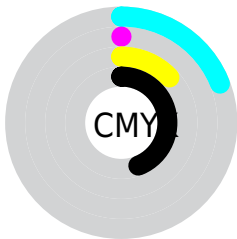
Blue (49%)



Red (45%)

Yellow (54%)

Blue (56%)

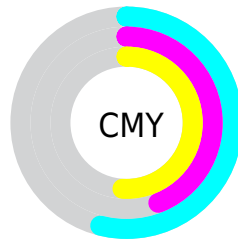


Cyan (19%)

Magenta (0%)

Yellow (13%)

Black (44%)



Cyan (54%)


Magenta (44%)


Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 15.234, 152.788 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, 15.234, 152.788 by changing the saturation by 10% instead.


 57, 15.234,
152.788


 57, 15.234,
152.788


 100, 15.234,
152.788


 47, 15.234,
152.788


 77, 15.234,
152.788

 37, 15.234,
152.788

 87, 15.234,
152.788

 27, 15.234,
152.788

 97, 15.234,
152.788

 17, 15.234,
152.788

 7, 15.234, 152.788

 0, 15.234, 152.788

■ 57, 15.234,
152.788

■ 57, 15.234,
152.788

■ 56, 23.306,
151.906

■ 58, 7.128, 153.572

■ 55, 31.225,
150.899

■ 60, 0.926, 333.922

■ 61, 8.857, 334.770

■ 54, 38.861,
149.744

■ 63, 16.616,
335.312

■ 53, 46.066,
148.425

■ 65, 24.170,
335.789

■ 53, 52.695,
146.931

■ 66, 31.500,
336.218

■ 52, 58.617,
145.266


■ 68, 38.597,
336.606


■ 52, 63.730,
143.458

■ 70, 45.459,
336.960

■ 52, 68.064,

141.648

 72, 52.091,
337.284

 52, 68.531,
141.463

Harmonies

Complementary

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



57, 15.234, 152.788



52, 15.350, 335.392

Rectangle

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



57, 15.234, 152.788



57, 15.234, 202.788



57, 15.234, 332.788



57, 15.234, 22.788

Sweetspot

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



57, 15.235, 152.787



75, 5.971, 153.780



58, 15.548, 120.092



39, 3.993, 153.736



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



57, 15.235, 152.787



72, 23.020, 152.393



57, 10.794, 180.340



30, 4.535, 153.547



49, 65.507, 141.579



2, 3.055, 154.138

Inverse Universe

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



52, 15.350, 335.392



64, 23.223, 335.731



52, 11.575, 3.809



28, 4.557, 334.703



29, 58.013, 344.061



1, 3.056, 334.131

Previews

White Background



This preview shows how the CIELCh color 57, 15.234, 152.788 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, 15.234, 152.788 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, 15.234, 152.788

Background



This preview shows how black text looks on a background with the CIELCh color 57, 15.234, 152.788.



This preview shows how white text looks on a background with the CIELCh color 57, 15.234, 152.788.

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, 15.234, 152.788

Protanopia
57, 8.990, 90.443

Deuteranopia
57, 9.083, 38.346



Tritanopia
57, 9.210, 242.043

Trichromacy



Original Color
57, 15.234, 152.788

Protanomaly
57, 9.963, 123.158

Deuteranomaly
57, 5.902, 93.551

Tritanomaly
57, 8.254, 198.649

Monochromacy



Original Color
57, 15.234, 152.788

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 5.645, 153.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 15.234, 152.788 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(116, 143, 124)` looks like.

```
.text, #text, p{  
    color:rgb(116, 143, 124)  
}
```

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(116, 143, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 143, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 15.234, 152.788 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(116, 143, 124) }
```

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

```
.border{ border-color:rgb(116, 143, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 143, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 143, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 143, 124);  
box-shadow:4px 4px 4px 4px rgb(116, 143,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 15.234, 152.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 143, 124) }
```

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

```
.background{ background-color: rgb(116,  
143, 124) }
```

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