

Converting Colors

CIELCh(57, 5.630, 9.486)

Have a look what the booklet for
CIELCh(57, 5.630, 9.486) contains.

CIELCh(57, 5.220, 13.634)	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(57, 5.220, 13.634)

Conversions

Conversions Part 1

Format	Color
Hex	938687
RGB	147, 134, 135
RGB Percent	58%, 53%, 53%
CMY	0.4243, 0.4753, 0.4714
CMYK	0.00, 0.09, 0.08, 0.42
HSL	355°, 6%, 55%
HSV	355°, 9%, 58%
XYZ	24.8525, 24.9227, 26.3484
YIQ	138.0010, 7.4270, 3.0670

Conversions

Conversions Part 2

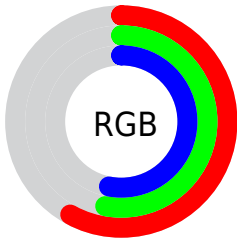
Format	Color
R_{YB}	147, 134, 135
Decimal	9668231
CIE _{Lab}	57.00, 5.07, 1.23
CIE _{LCh}	57, 5.220, 13.634
Yxy	24.9227, 0.3265, 0.3274
Android (android.graphics.Color)	4287858311 (0xFF938687)
YUV	138.0010, -1.4795, 7.8921
Hunter-Lab	49.9226, 1.4965, 3.6534

Details

The CIELCh color $57, 5.220, 13.634$ is a dark color, and the websafe version is hex `999999`. A complement of this color would be $60, 4.981, 192.508$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 5.272, 13.918$, and $37, 5.258, 13.411$ is the 20% darker color. If you saturate the color by 10%, you get $53, 11.491, 14.617$, and if you desaturate by 10%, it is $61, 0.653, 193.630$.

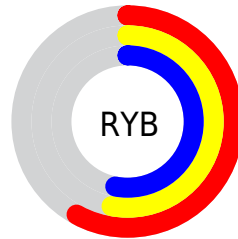
Distribution



Red (58%)

Green (53%)

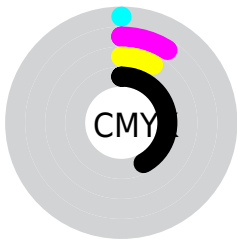
Blue (53%)



Red (58%)

Yellow (53%)

Blue (53%)

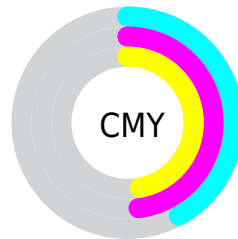


Cyan (0%)

Magenta (9%)

Yellow (8%)

Black (42%)



Cyan (42%)

Magenta (48%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 5.220, 13.634 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, 5.220, 13.634 by changing the saturation by 10% instead.

■ 57, 5.220, 13.634

■ 57, 5.220, 13.634

■ 100, 5.220, 13.634

■ 47, 5.220, 13.634

■ 77, 5.220, 13.634

■ 37, 5.220, 13.634

■ 87, 5.220, 13.634

■ 27, 5.220, 13.634

■ 97, 5.220, 13.634

■ 17, 5.220, 13.634

■ 7, 5.220, 13.634

■ 0, 5.220, 13.634

■ 57, 5.220, 13.634

■ 57, 5.220, 13.634

■ 53, 11.491, 14.617

■ 61, 0.653, 193.630

■ 49, 18.155, 15.771

■ 66, 6.138, 192.407

45, 25.166, 17.205

70, 11.267,
191.838

41, 32.423, 19.015

75, 16.071,
191.367

38, 39.764, 21.315

35, 46.970, 24.220

79, 20.584,
190.961

33, 53.801, 27.788

84, 24.840,
190.607

31, 60.010, 31.901

30, 65.386, 35.832

88, 28.868,
190.294

92, 32.696,
190.016

94, 32.660,
197.409

Harmonies

Complementary

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



57, 5.220, 13.634



60, 4.981, 192.508

Rectangle

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



57, 5.220, 13.634



57, 5.220, 63.634



57, 5.220, 193.634



57, 5.220, 243.634

Sweetspot

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



57, 5.219, 13.649



76, 2.153, 13.031



57, 8.764, 322.584



40, 1.649, 13.138



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



57, 5.219, 13.649



71, 8.111, 13.870



58, 4.297, 64.906



29, 3.355, 13.682



28, 62.679, 35.802



1, 2.850, 13.045

Inverse Universe

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



57, 5.219, 13.649



71, 8.111, 13.870



58, 4.165, 246.967



29, 3.355, 13.682



28, 62.679, 35.802



1, 2.850, 13.045

Previews

White Background



This preview shows how the CIELCh color 57, 5.220, 13.634 looks on a white background.

Color Contrast Check

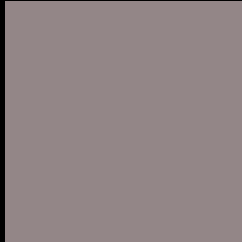
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 57, 5.220, 13.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

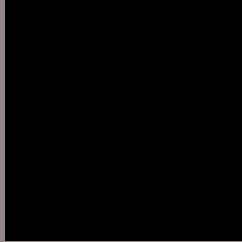
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 5.220, 13.634

Background



This preview shows how black text looks on a background with the CIELCh color 57, 5.220, 13.634.



This preview shows how white text looks on a background with the CIELCh color 57, 5.220, 13.634.

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, 5.220, 13.634

Protanopia
57, 1.182, 19.175

Deuteranopia
57, 7.803, 7.599



Tritanopia
57, 8.209, 336.329

Trichromacy



Original Color
57, 5.220, 13.634

Protanomaly
57, 2.832, 7.970

Deuteranomaly
57, 6.501, 9.983

Tritanomaly
57, 7.152, 346.292

Monochromacy



Original Color
57, 5.220, 13.634

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 2.058, 3.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 5.220, 13.634 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(147, 134, 135)` looks like.

```
.text, #text, p{  
    color:rgb(147, 134, 135)  
}
```

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(147, 134, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 134, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 5.220, 13.634 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(147, 134, 135) }
```

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

```
.border{ border-color:rgb(147, 134, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 134, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 134, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 134, 135);  
box-shadow:4px 4px 4px 4px rgb(147, 134,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 5.220, 13.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 134, 135) }
```

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

```
.background{ background-color: rgb(147,  
134, 135) }
```

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