

Converting Colors

CIELCh(58, 4.886, 46.878)

Have a look what the booklet for
CIELCh(58, 4.886, 46.878) contains.

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Color

CIELCh(58, 4.957, 46.872)

Conversions

Conversions Part 1

Format	Color
Hex	948985
RGB	148, 137, 133
RGB Percent	58%, 54%, 52%
CMY	0.4188, 0.4620, 0.4777
CMYK	0.00, 0.07, 0.10, 0.42
HSL	16°, 7%, 55%
HSV	16°, 10%, 58%
XYZ	25.4700, 25.9610, 25.9301
YIQ	139.8330, 7.8400, 1.0880

Conversions

Conversions Part 2

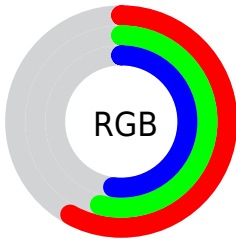
Format	Color
R_{YB}	148, 138, 133
Decimal	9734533
CIE _{Lab}	58.00, 3.39, 3.62
CIE _{LCh}	58, 4.957, 46.872
Yxy	25.9610, 0.3292, 0.3356
Android (android.graphics.Color)	4287924613 (0xFF948985)
YUV	139.8330, -3.3687, 7.1625
Hunter-Lab	50.9519, 0.0632, 5.4929

Details

The CIELCh color $58, 4.957, 46.872$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $59, 4.684, 228.155$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 4.981, 44.973$, and $38, 4.747, 42.635$ is the 20% darker color. If you saturate the color by 10%, you get $55, 10.239, 46.514$, and if you desaturate by 10%, it is $61, 0.056, 40.020$.

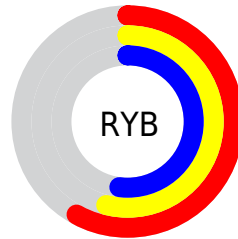
Distribution



Red (58%)

Green (54%)

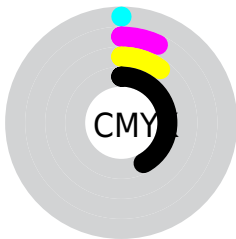
Blue (52%)



Red (58%)

Yellow (54%)

Blue (52%)

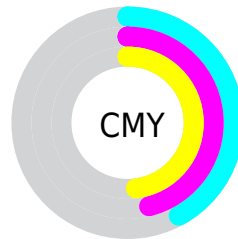


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (42%)



Cyan (42%)

Magenta (46%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 4.957, 46.872 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 58, 4.957, 46.872 by changing the saturation by 10% instead.

 58, 4.957, 46.872  58, 4.957, 46.872

 100, 4.957, 46.872  48, 4.957, 46.872

 78, 4.957, 46.872  38, 4.957, 46.872

 88, 4.957, 46.872  28, 4.957, 46.872

 98, 4.957, 46.872  18, 4.957, 46.872

 8, 4.957, 46.872

 0, 4.957, 46.872

 58, 4.957, 46.872  58, 4.957, 46.872

 55, 10.239, 46.514  61, 0.056, 40.020

 51, 15.939, 46.194  65, 4.502, 228.095

48, 22.082, 45.978

68, 8.755, 228.616

45, 28.678, 45.895

72, 12.739,
229.186

42, 35.699, 45.959

75, 16.486,
229.772

40, 43.047, 46.154

37, 50.484, 46.390

78, 20.026,
230.362

35, 57.475, 46.411

82, 23.384,
230.948

34, 63.691, 46.407

85, 26.583,
231.527

88, 27.710,
220.200

Harmonies

Complementary

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



58, 4.957, 46.872



59, 4.684, 228.155

Rectangle

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



58, 4.957, 46.872



58, 4.957, 96.872



58, 4.957, 226.872



58, 4.957, 276.872

Sweetspot

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



58, 4.957, 46.894



77, 1.778, 47.031



57, 8.609, 333.594



40, 1.348, 47.051



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



58, 4.957, 46.894



73, 7.371, 46.813



60, 6.609, 97.160



30, 2.751, 46.928



31, 60.016, 46.432



1, 2.333, 47.464

Inverse Universe

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



59, 4.684, 228.155



75, 6.876, 228.288



57, 6.670, 279.559



30, 2.615, 228.102



40, 29.293, 248.414



2, 2.333, 227.483

Previews

White Background



This preview shows how the CIELCh color 58, 4.957, 46.872 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 58, 4.957, 46.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

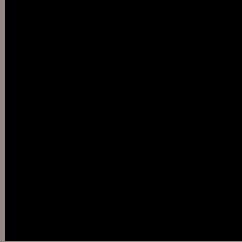
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 4.957, 46.872

Background



This preview shows how black text looks on a background with the CIELCh color 58, 4.957, 46.872.



This preview shows how white text looks on a background with the CIELCh color 58, 4.957, 46.872.

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


58, 4.957, 46.872

Protanopia

58, 3.235, 80.344

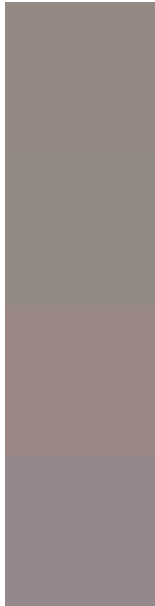
Deuteranopia

58, 8.091, 24.173



Tritanopia
58, 8.587, 333.586

Trichromacy



Original Color
58, 4.957, 46.872

Protanomaly
58, 3.584, 58.685

Deuteranomaly
58, 6.939, 29.386

Tritanomaly
58, 5.871, 351.085

Monochromacy



Original Color
58, 4.957, 46.872

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 1.667, 39.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 4.957, 46.872 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(148, 137, 133)` looks like.

```
.text, #text, p{  
    color:rgb(148, 137, 133)  
}
```

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(148, 137, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 137, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 4.957, 46.872 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(148, 137, 133) }
```

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

```
.border{ border-color:rgb(148, 137, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 137, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 137, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 137, 133);  
box-shadow:4px 4px 4px 4px rgb(148, 137,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 4.957, 46.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 137, 133) }
```

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

```
.background{ background-color: rgb(148,  
137, 133) }
```

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](#).

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