

Converting Colors

CIELCh(58, 25.605, 118.014)

Have a look what the booklet for
CIELCh(58, 25.605, 118.014)
contains.

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Color

CIELCh(58, 25.590, 117.770)

Conversions

Conversions Part 1

Format	Color
Hex	859063
RGB	133, 144, 99
RGB Percent	52%, 56%, 39%
CMY	0.4772, 0.4340, 0.6106
CMYK	0.08, 0.00, 0.31, 0.43
HSL	75°, 18%, 48%
HSV	75°, 31%, 57%
XYZ	22.0102, 25.9610, 15.7303
YIQ	135.5810, 7.8890, -16.3270

Conversions

Conversions Part 2

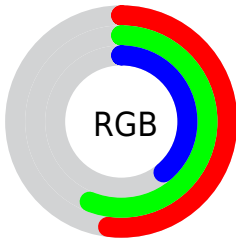
Format	Color
R_{YB}	99, 144, 110
Decimal	8753251
CIE _{Lab}	58.00, -11.92, 22.64
CIE _{LCh}	58, 25.590, 117.770
Yxy	25.9610, 0.3455, 0.4075
Android (android.graphics.Color)	4286943331 (0xFF859063)
YUV	135.5810, -18.0344, -2.2635
Hunter-Lab	50.9519, -12.0575, 17.3618

Details

The CIELCh color **58, 25.590, 117.770** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **45, 27.312, 302.003**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 25.771, 117.544**, and **38, 25.596, 117.829** is the 20% darker color. If you saturate the color by 10%, you get **57, 33.521, 117.174**, and if you desaturate by 10%, it is **59, 17.471, 118.395**.

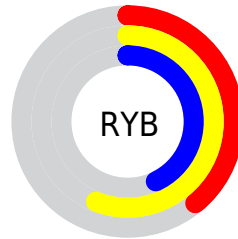
Distribution



Red (52%)

Green (56%)

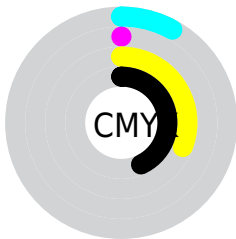
Blue (39%)



Red (39%)

Yellow (56%)

Blue (43%)

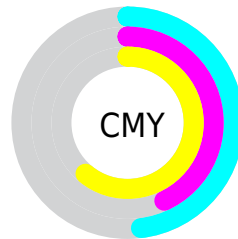


Cyan (8%)

Magenta (0%)

Yellow (31%)

Black (43%)



Cyan (48%)


Magenta (43%)


Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 25.590, 117.770 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, 25.590, 117.770 by changing the saturation by 10% instead.


 58, 25.590,
117.770


 58, 25.590,
117.770


 100, 25.590,
117.770


 48, 25.590,
117.770


 78, 25.590,
117.770

 38, 25.590,
117.770

 88, 25.590,
117.770

 28, 25.590,
117.770

 98, 25.590,
117.770

 18, 25.590,
117.770

 8, 25.590, 117.770

 0, 25.590, 117.770

■ 58, 25.590,
117.770

■ 58, 25.590,
117.770

■ 57, 33.521,
117.174

■ 59, 17.471,
118.395

■ 57, 41.129,
116.633

■ 59, 9.247, 119.019

■ 57, 48.221,
116.198

■ 60, 0.980, 119.648

■ 61, 7.288, 300.208

■ 56, 54.526,
115.939

■ 61, 15.527,
300.766

■ 56, 59.697,
115.945

■ 62, 23.715,
301.290

■ 56, 63.397,
116.307

■ 63, 31.837,
301.781

■ 55, 65.740,
116.836

■ 64, 39.880,
302.238

■ 65, 47.835,
302.661

Harmonies

Complementary

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



58, 25.590, 117.770



45, 27.312, 302.003

Rectangle

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



58, 25.590, 117.770



58, 25.590, 167.770



58, 25.590, 297.770



58, 25.590, 347.770

Sweetspot

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



58, 25.591, 117.773



76, 9.253, 119.143



49, 16.455, 42.628



40, 6.409, 119.061



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



58, 25.591, 117.773



74, 37.590, 117.373



56, 28.812, 135.287



30, 4.624, 119.144



52, 62.652, 116.761



2, 3.135, 119.696

Inverse Universe

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



45, 27.312, 302.003



54, 40.777, 302.614



47, 29.381, 318.081



28, 4.712, 300.277



16, 81.504, 307.884



0, 3.135, 299.695

Previews

White Background



This preview shows how the CIE LCh color 58, 25.590, 117.770 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, 25.590, 117.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

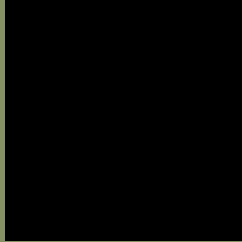
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 25.590, 117.770

Background



This preview shows how black text looks on a background with the CIELCh color 58, 25.590, 117.770.



This preview shows how white text looks on a background with the CIELCh color 58, 25.590, 117.770.

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, 25.590, 117.770

Protanopia

58, 24.110, 95.872

Deuteranopia

58, 22.722, 69.927



Tritanopia
58, 6.321, 297.813

Trichromacy



Original Color
58, 25.590, 117.770

Protanomaly
58, 24.135, 104.241

Deuteranomaly
58, 21.536, 88.886

Tritanomaly
58, 5.166, 118.449

Monochromacy



Original Color
58, 25.590, 117.770

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 9.227, 119.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 25.590, 117.770 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(133, 144, 99)` looks like.

```
.text, #text, p{  
    color:rgb(133, 144, 99)  
}
```

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(133, 144, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 144, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 25.590, 117.770 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(133, 144, 99) }
```

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

```
.border{ border-color:rgb(133, 144, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 144, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 144, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 144, 99);  
box-shadow:4px 4px 4px 4px rgb(133, 144,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 25.590, 117.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 144, 99) }
```

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

```
.background{ background-color: rgb(133,  
144, 99) }
```

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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