

Converting Colors

CIELCh(58, 12.270, 126.891)

Have a look what the booklet for
CIELCh(58, 12.270, 126.891)
contains.

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Color

CIELCh(58, 12.558, 127.588)

Conversions

Conversions Part 1

Format	Color
Hex	858F7A
RGB	133, 143, 122
RGB Percent	52%, 56%, 48%
CMY	0.4792, 0.4399, 0.5223
CMYK	0.07, 0.00, 0.15, 0.44
HSL	89°, 9%, 52%
HSV	89°, 15%, 56%
XYZ	22.9397, 25.9610, 22.1554
YIQ	137.6160, 0.7810, -8.6510

Conversions

Conversions Part 2

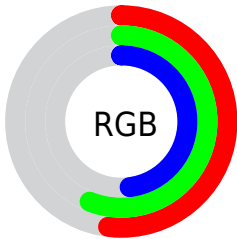
Format	Color
R_{YB}	122, 143, 132
Decimal	8753018
CIE _{Lab}	58.00, -7.66, 9.95
CIE _{LCh}	58, 12.558, 127.588
Yxy	25.9610, 0.3228, 0.3654
Android (android.graphics.Color)	4286943098 (0xFF858F7A)
YUV	137.6160, -7.6987, -4.0482
Hunter-Lab	50.9519, -8.8010, 9.8853

Details

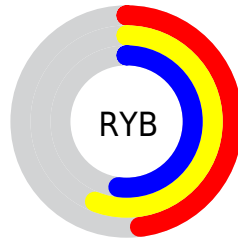
The CIELCh color $58, 12.558, 127.588$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $53, 12.821, 308.900$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 12.967, 127.788$, and $38, 12.987, 128.165$ is the 20% darker color. If you saturate the color by 10%, you get $57, 21.090, 127.117$, and if you desaturate by 10%, it is $59, 4.007, 128.056$.

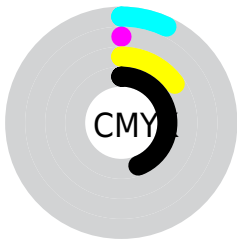
Distribution



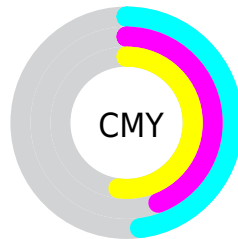
- Red (52%)
- Green (56%)
- Blue (48%)



- Red (48%)
- Yellow (56%)
- Blue (52%)



- Cyan (7%)
- Magenta (0%)
- Yellow (15%)
- Black (44%)




- Cyan (48%)
- Magenta (44%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 12.558, 127.588 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, 12.558, 127.588 by changing the saturation by 10% instead.


 58, 12.558,
127.588


 58, 12.558,
127.588


 100, 12.558,
127.588

 48, 12.558,
127.588


 78, 12.558,
127.588

 38, 12.558,
127.588

 88, 12.558,
127.588

 28, 12.558,
127.588

 98, 12.558,
127.588

 18, 12.558,
127.588

 8, 12.558, 127.588

 0, 12.558, 127.588

■ 58, 12.558,
127.588

■ 58, 12.558,
127.588

■ 57, 21.090,
127.117

■ 59, 4.007, 128.056

■ 56, 29.523,
126.640

■ 60, 4.517, 308.436

■ 56, 37.754,
126.185

■ 61, 12.974,
308.837

■ 55, 45.631,
125.792

■ 62, 21.337,
309.194

■ 55, 52.937,
125.527

■ 63, 29.587,
309.517

■ 54, 59.380,
125.481

■ 64, 37.711,
309.807

■ 54, 64.611,
125.771

■ 65, 45.700,
310.067

■ 53, 68.356,

■ 67, 53.548,
310.299

126.491

■ 68, 61.254,
310.506

■ 53, 70.080,
126.897

Harmonies

Complementary

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



58, 12.558, 127.588



53, 12.821, 308.900

Rectangle

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



58, 12.558, 127.588



58, 12.558, 177.588



58, 12.558, 307.588



58, 12.558, 357.588

Sweetspot

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



58, 12.560, 127.591



75, 4.229, 128.086



56, 7.246, 70.010



40, 3.031, 128.052



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, 12.560, 127.591



74, 19.090, 127.418



57, 14.470, 142.729



30, 4.819, 127.847



50, 67.273, 126.812



2, 3.259, 128.236

Inverse Universe

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



53, 12.821, 308.900



65, 19.585, 309.083



54, 14.497, 324.288



28, 4.885, 308.633



19, 78.030, 311.662



0, 3.259, 308.234

Previews

White Background



This preview shows how the CIELCh color 58, 12.558, 127.588 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 58, 12.558, 127.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

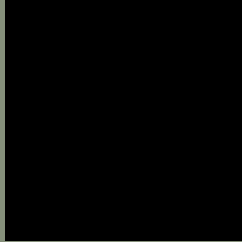
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

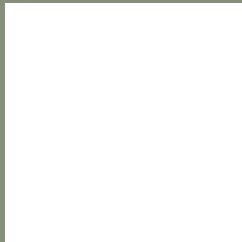
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 12.558, 127.588

Background



This preview shows how black text looks on a background with the CIELCh color 58, 12.558, 127.588.



This preview shows how white text looks on a background with the CIELCh color 58, 12.558, 127.588.

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, 12.558, 127.588

Protanopia

58, 11.128, 93.809

Deuteranopia

58, 11.511, 49.548



Tritanopia
58, 6.290, 284.024

Trichromacy



Original Color
58, 12.558, 127.588

Protanomaly
58, 10.748, 106.720

Deuteranomaly
58, 9.359, 77.293

Tritanomaly
58, 1.935, 199.433

Monochromacy



Original Color
58, 12.558, 127.588

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 4.825, 128.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 12.558, 127.588 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, 143, 122)` looks like.

```
.text, #text, p{  
    color:rgb(133, 143, 122)  
}
```

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, 143, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 143, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 12.558, 127.588 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, 143, 122) }
```

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

```
.border{ border-color:rgb(133, 143, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 143, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 143, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 143, 122);  
box-shadow:4px 4px 4px 4px rgb(133, 143,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 12.558, 127.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 143, 122) }
```

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

```
.background{ background-color: rgb(133,  
143, 122) }
```

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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