

Converting Colors

CIELCh(58, 12.580, 121.397)

Have a look what the booklet for
CIELCh(58, 12.580, 121.397)
contains.

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Color

CIELCh(58, 12.764, 121.648)

Conversions

Conversions Part 1

Format	Color
Hex	878E78
RGB	135, 142, 120
RGB Percent	53%, 56%, 47%
CMY	0.4695, 0.4421, 0.5284
CMYK	0.05, 0.00, 0.15, 0.44
HSL	79°, 9%, 51%
HSV	79°, 15%, 56%
XYZ	23.1532, 25.9610, 21.6426
YIQ	137.3990, 2.8900, -8.3260

Conversions

Conversions Part 2

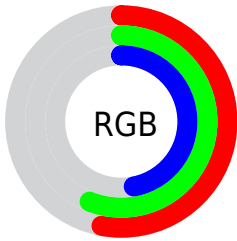
Format	Color
R_YB	120, 142, 127
Decimal	8883832
CIE Lab	58.00, -6.70, 10.87
CIE LCh	58, 12.764, 121.648
Yxy	25.9610, 0.3272, 0.3669
Android (android.graphics.Color)	4287073912 (0xFF878E78)
YUV	137.3990, -8.5777, -2.1039
Hunter-Lab	50.9519, -8.0530, 10.4820

Details

The CIELCh color $58, 12.764, 121.648$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $52, 13.130, 303.379$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 13.158, 122.393$, and $38, 13.181, 121.891$ is the 20% darker color. If you saturate the color by 10%, you get $57, 20.964, 121.094$, and if you desaturate by 10%, it is $59, 4.512, 122.204$.

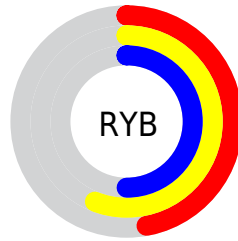
Distribution



Red (53%)

Green (56%)

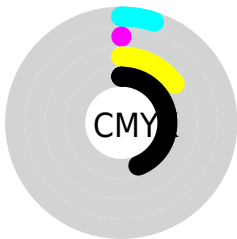
Blue (47%)



Red (47%)

Yellow (56%)

Blue (50%)

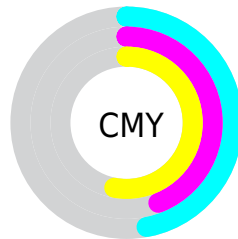


Cyan (5%)

Magenta (0%)

Yellow (15%)

Black (44%)



Cyan (47%)

Magenta (44%)

Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 12.764, 121.648 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, 12.764, 121.648 by changing the saturation by 10% instead.

 58, 12.764,
121.648

 58, 12.764,
121.648

 100, 12.764,
121.648

 48, 12.764,
121.648

 78, 12.764,
121.648

 38, 12.764,
121.648

 88, 12.764,
121.648

 28, 12.764,
121.648

 98, 12.764,
121.648

 18, 12.764,
121.648

 8, 12.764, 121.648

 0, 12.764, 121.648

■ 58, 12.764,
121.648

■ 58, 12.764,
121.648

■ 57, 20.964,
121.094

■ 59, 4.512, 122.204

■ 57, 29.037,
120.543

■ 59, 3.746, 302.708

■ 56, 36.882,
120.028

■ 60, 11.976,
303.213

■ 56, 44.347,
119.590

■ 61, 20.150,
303.680

■ 55, 51.211,
119.290

■ 62, 28.250,
304.113

■ 55, 57.175,
119.214

■ 63, 36.264,
304.514

■ 54, 61.891,
119.466

■ 64, 44.179,
304.882

■ 54, 65.132,

■ 65, 51.990,
305.221

120.120

■ 66, 59.692,
305.531

■ 54, 66.433,
120.438

Harmonies

Complementary

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



58, 12.764, 121.648



52, 13.130, 303.379

Rectangle

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



58, 12.764, 121.648



58, 12.764, 171.648



58, 12.764, 301.648



58, 12.764, 351.648

Sweetspot

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



58, 12.766, 121.652



75, 5.135, 122.224



54, 7.393, 52.513



40, 3.532, 122.189



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, 12.766, 121.652



74, 19.509, 121.432



57, 14.473, 138.585



30, 4.674, 122.000



51, 63.972, 120.368



2, 3.166, 122.484

Inverse Universe

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



52, 13.130, 303.379



64, 20.213, 303.636



53, 14.572, 319.970



28, 4.756, 302.991



17, 80.511, 308.817



0, 3.167, 302.483

Previews

White Background



This preview shows how the CIE LCh color 58, 12.764, 121.648 looks on a white background.

Color Contrast Check

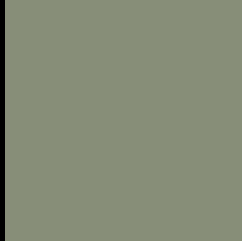
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.764, 121.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

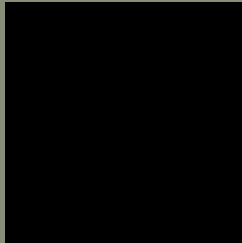
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

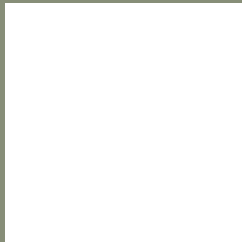
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 12.764, 121.648

Background



This preview shows how black text looks on a background with the CIELCh color 58, 12.764, 121.648.



This preview shows how white text looks on a background with the CIELCh color 58, 12.764, 121.648.

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, 12.764, 121.648

Protanopia

58, 11.676, 94.431

Deuteranopia

58, 12.524, 52.902



Tritanopia
58, 6.282, 294.372

Trichromacy



Original Color
58, 12.764, 121.648

Protanomaly
58, 11.893, 104.794

Deuteranomaly
58, 10.563, 78.382

Tritanomaly
58, 0.966, 163.861

Monochromacy



Original Color
58, 12.764, 121.648

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 4.697, 124.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 12.764, 121.648 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(135, 142, 120)` looks like.

```
.text, #text, p{  
    color:rgb(135, 142, 120)  
}
```

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(135, 142, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 142, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 12.764, 121.648 is called "border". The border property can be set on classes, ids or directly on the HTML element.

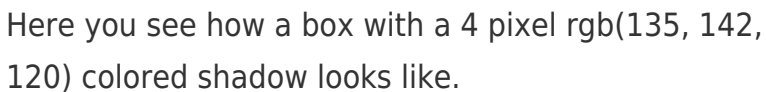
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 142, 120) }
```

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

```
.border{ border-color:rgb(135, 142, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 142, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 142, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 142, 120);  
box-shadow:4px 4px 4px 4px rgb(135, 142,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 12.764, 121.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 142, 120) }
```

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

```
.background{ background-color: rgb(135,  
142, 120) }
```

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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