

Converting Colors

CIELCh(58, 7.530, 197.291)

Have a look what the booklet for
CIELCh(58, 7.530, 197.291) contains.

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Color

CIELCh(58, 7.517, 198.734)

Conversions

Conversions Part 1

Format	Color
Hex	7B8F8F
RGB	123, 143, 143
RGB Percent	48%, 56%, 56%
CMY	0.5165, 0.4380, 0.4380
CMYK	0.14, 0.00, 0.00, 0.44
HSL	180°, 8%, 52%
HSV	180°, 14%, 56%
XYZ	23.0596, 25.9610, 29.9023
YIQ	137.0200, -11.9200, -4.2400

Conversions

Conversions Part 2

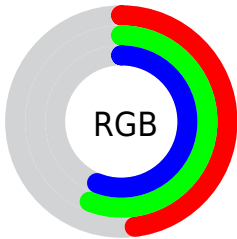
Format	Color
R_{YB}	123, 133, 143
Decimal	8097679
CIE _{Lab}	58.00, -7.12, -2.41
CIE _{LCh}	58, 7.517, 198.734
Yxy	25.9610, 0.2922, 0.3289
Android (android.graphics.Color)	4286287759 (0xFF7B8F8F)
YUV	137.0200, 2.9481, -12.2955
Hunter-Lab	50.9519, -8.3810, 0.8706

Details

The CIELCh color **58, 7.517, 198.734** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **54, 8.199, 20.253**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 7.500, 198.903**, and **38, 7.589, 198.451** is the 20% darker color. If you saturate the color by 10%, you get **57, 12.519, 198.226**, and if you desaturate by 10%, it is **59, 2.185, 199.380**.

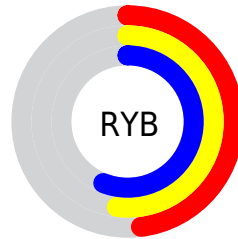
Distribution



Red (48%)

Green (56%)

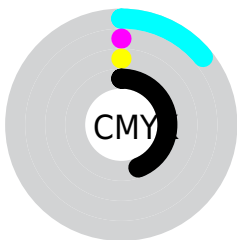
Blue (56%)



Red (48%)

Yellow (52%)

Blue (56%)

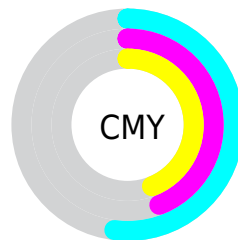


Cyan (14%)

Magenta (0%)

Yellow (0%)

Black (44%)



Cyan (52%)

Magenta (44%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 7.517, 198.734 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, 7.517, 198.734 by changing the saturation by 10% instead.

■ 58, 7.517, 198.734

■ 58, 7.517, 198.734

■ 100, 7.517,
198.734

■ 48, 7.517, 198.734

■ 78, 7.517, 198.734

■ 38, 7.517, 198.734

■ 88, 7.517, 198.734

■ 28, 7.517, 198.734

■ 98, 7.517, 198.734

■ 18, 7.517, 198.734

■ 8, 7.517, 198.734

■ 0, 7.517, 198.734

■ 58, 7.517, 198.734

■ 58, 7.517, 198.734

■ 57, 12.519,
198.226

■ 59, 2.185, 199.380

■ 60, 3.400, 19.603

■ 56, 17.104,
197.787

■ 62, 9.166, 20.255

■ 56, 21.190,
197.405

■ 63, 15.054, 20.864

■ 55, 24.699,
197.082

■ 64, 21.014, 21.475

■ 55, 27.574,
196.822

■ 68, 32.997, 22.700

■ 54, 29.779,
196.624

■ 69, 38.966, 23.308

■ 54, 31.314,
196.487

■ 71, 44.894, 23.909

■ 54, 32.223,
196.406

■ 54, 32.630,
196.369

Harmonies

Complementary

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



58, 7.517, 198.734



54, 8.199, 20.253

Rectangle

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



58, 7.517, 198.734



58, 7.517, 248.734



58, 7.517, 18.734



58, 7.517, 68.734

Sweetspot

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



58, 7.518, 198.725



75, 2.731, 199.368



57, 13.850, 143.206



40, 1.953, 199.303



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, 7.518, 198.725



73, 11.224, 198.548



55, 6.693, 255.436



30, 3.069, 198.996



51, 31.270, 196.369



2, 2.121, 199.412

Inverse Universe

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



54, 8.199, 20.253



67, 12.519, 20.534



56, 6.949, 71.925



28, 3.246, 19.879



27, 64.128, 38.794



0, 2.121, 19.395

Previews

White Background



This preview shows how the CIE LCh color 58, 7.517, 198.734 looks on a white background.

Color Contrast Check

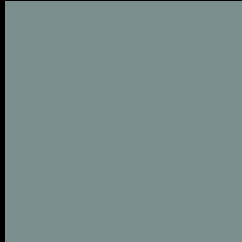
Large Text (above 18pt) WCAG AA ✓ Pass

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, 7.517, 198.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

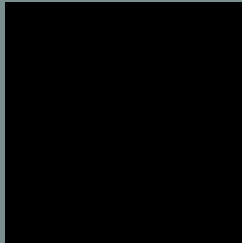
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

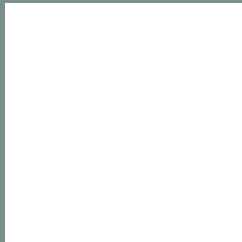
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 7.517, 198.734

Background



This preview shows how black text looks on a background with the CIELCh color 58, 7.517, 198.734.



This preview shows how white text looks on a background with the CIELCh color 58, 7.517, 198.734.

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

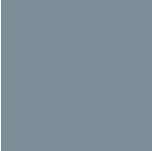
58, 7.517, 198.734

Protanopia

58, 1.648, 335.645

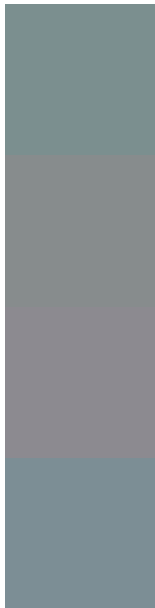
Deuteranopia

58, 8.188, 336.319



Tritanopia
58, 8.693, 245.198

Trichromacy



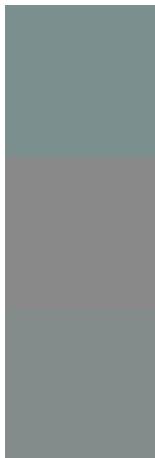
Original Color
58, 7.517, 198.734

Protanomaly
58, 2.004, 215.935

Deuteranomaly
58, 3.516, 303.254

Tritanomaly
58, 7.661, 230.330

Monochromacy



Original Color
58, 7.517, 198.734

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 2.704, 199.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 7.517, 198.734 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(123, 143, 143)` looks like.

```
.text, #text, p{  
    color:rgb(123, 143, 143)  
}
```

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(123, 143, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 143, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 7.517, 198.734 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(123, 143, 143) }
```

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

```
.border{ border-color:rgb(123, 143, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 143, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 143, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 143, 143);  
box-shadow:4px 4px 4px 4px rgb(123, 143,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 7.517, 198.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 143, 143) }
```

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

```
.background{ background-color: rgb(123,  
143, 143) }
```

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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