

Converting Colors

CIELCh(59, 7.233, 19.851)

Have a look what the booklet for
CIELCh(59, 7.233, 19.851) contains.

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Color

CIELCh(59, 7.198, 20.077)

Conversions

Conversions Part 1

Format	Color
Hex	9C8A8A
RGB	156, 138, 138
RGB Percent	61%, 54%, 54%
CMY	0.3887, 0.4593, 0.4593
CMYK	0.00, 0.12, 0.12, 0.39
HSL	0°, 8%, 58%
HSV	0°, 12%, 61%
XYZ	27.3347, 27.0277, 27.7736
YIQ	143.3820, 10.7280, 3.8160

Conversions

Conversions Part 2

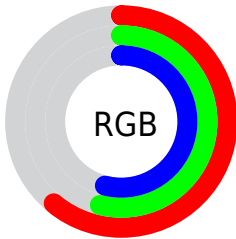
Format	Color
R_{YB}	156, 138, 138
Decimal	10259082
CIE _{Lab}	59.00, 6.76, 2.47
CIE _{LCh}	59, 7.198, 20.077
Yxy	27.0277, 0.3328, 0.3291
Android (android.graphics.Color)	4288449162 (0xFF9C8A8A)
YUV	143.3820, -2.6533, 11.0660
Hunter-Lab	51.9882, 2.8735, 4.7173

Details

The CIELCh color $59, 7.198, 20.077$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $63, 6.699, 198.875$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 7.508, 19.933$, and $39, 7.415, 20.402$ is the 20% darker color. If you saturate the color by 10%, you get $55, 13.956, 20.946$, and if you desaturate by 10%, it is $64, 0.928, 19.016$.

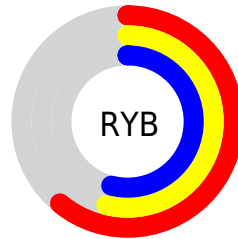
Distribution



Red (61%)

Green (54%)

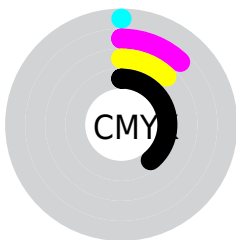
Blue (54%)



Red (61%)

Yellow (54%)

Blue (54%)

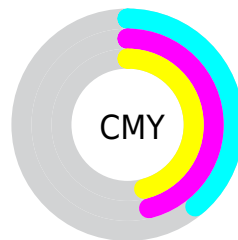


Cyan (0%)

Magenta (12%)

Yellow (12%)

Black (39%)



Cyan (39%)

Magenta (46%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 7.198, 20.077 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 59, 7.198, 20.077 by changing the saturation by 10% instead.

 59, 7.198, 20.077  59, 7.198, 20.077

 100, 7.198, 20.077  49, 7.198, 20.077

 79, 7.198, 20.077  39, 7.198, 20.077

 89, 7.198, 20.077  29, 7.198, 20.077

 99, 7.198, 20.077  19, 7.198, 20.077

 9, 7.198, 20.077

 0, 7.198, 20.077

 59, 7.198, 20.077  59, 7.198, 20.077

 55, 13.956, 20.946  64, 0.928, 19.016

 50, 21.206, 22.026  68, 4.877, 199.098

46, 28.905, 23.422

73, 10.259,
198.646

42, 36.951, 25.235

78, 15.260,
198.308

39, 45.166, 27.567

36, 53.297, 30.481

82, 19.926,
198.038

34, 60.986, 33.884

87, 24.297,
197.819

33, 67.573, 37.289

32, 71.987, 39.610

92, 28.410,
197.638

94, 30.439,
197.543

Harmonies

Complementary

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



59, 7.198, 20.077



63, 6.699, 198.875

Rectangle

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



59, 7.198, 20.077



59, 7.198, 70.077



59, 7.198, 200.077



59, 7.198, 250.077

Sweetspot

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



59, 7.197, 20.090



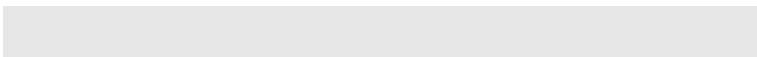
79, 2.231, 19.349



60, 12.336, 325.043



42, 1.709, 19.446



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



59, 7.197, 20.090



73, 10.868, 20.307



61, 6.183, 73.995



31, 3.534, 19.912



29, 67.090, 39.164



1, 4.472, 19.417

Inverse Universe

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



63, 6.699, 198.875



79, 9.938, 198.726



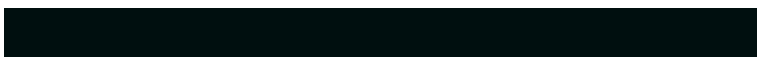
60, 6.016, 256.960



33, 3.338, 199.009



54, 32.537, 196.409



3, 4.472, 199.437

Previews

White Background



This preview shows how the CIELCh color 59, 7.198, 20.077 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 59, 7.198, 20.077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

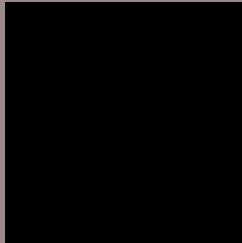
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 7.198, 20.077

Background



This preview shows how black text looks on a background with the CIELCh color 59, 7.198, 20.077.



This preview shows how white text looks on a background with the CIELCh color 59, 7.198, 20.077.

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

59, 7.198, 20.077

Protanopia

59, 1.663, 39.151

Deuteranopia

59, 8.024, 16.160



Tritanopia
59, 10.325, 343.446

Trichromacy



Original Color
59, 7.198, 20.077

Protanomaly
59, 3.602, 28.644

Deuteranomaly
59, 8.024, 16.160

Tritanomaly
59, 8.830, 353.735

Monochromacy



Original Color
59, 7.198, 20.077

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 2.753, 19.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 7.198, 20.077 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(156, 138, 138)` looks like.

```
.text, #text, p{  
    color:rgb(156, 138, 138)  
}
```

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(156, 138, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 138, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 7.198, 20.077 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(156, 138, 138) }
```

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

```
.border{ border-color:rgb(156, 138, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 138, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 138, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 138, 138);  
box-shadow:4px 4px 4px 4px rgb(156, 138,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 7.198, 20.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 138, 138) }
```

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

```
.background{ background-color: rgb(156,  
138, 138) }
```

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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