

Converting Colors

CIELCh(59, 20.810, 103.050)

Have a look what the booklet for
CIELCh(59, 20.810, 103.050)
contains.

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Color

CIELCh(59, 20.810, 103.050)

Conversions

Conversions Part 1

Format	Color
Hex	938F6A
RGB	147, 143, 106
RGB Percent	58%, 56%, 42%
CMY	0.4222, 0.4379, 0.5831
CMYK	0.00, 0.03, 0.28, 0.42
HSL	54°, 16%, 50%
HSV	54°, 28%, 58%
XYZ	24.5851, 27.0277, 17.6442
YIQ	139.9780, 14.2610, -10.6590

Conversions

Conversions Part 2

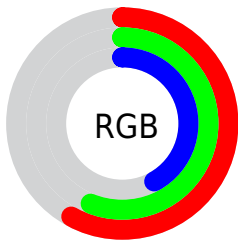
Format	Color
R_{YB}	110, 147, 106
Decimal	9670506
CIE Lab	59.00, -4.70, 20.27
CIE LCh	59, 20.810, 103.050
Yxy	27.0277, 0.3550, 0.3903
Android (android.graphics.Color)	4287860586 (0xFF938F6A)
YUV	139.9780, -16.7512, 6.1583
Hunter-Lab	51.9882, -6.5673, 16.2694

Details

The CIELCh color **59, 20.810, 103.050** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **48, 21.894, 289.394**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 20.716, 103.903**, and **39, 21.087, 102.963** is the 20% darker color. If you saturate the color by 10%, you get **58, 28.168, 102.006**, and if you desaturate by 10%, it is **60, 13.357, 104.097**.

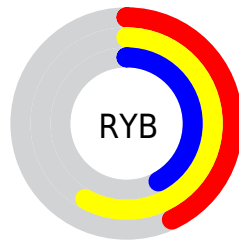
Distribution



Red (58%)

Green (56%)

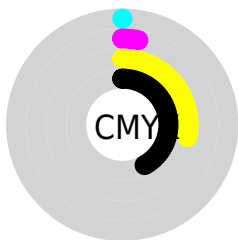
Blue (42%)



Red (43%)

Yellow (58%)

Blue (42%)

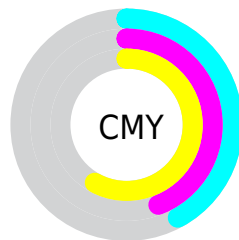


Cyan (0%)

Magenta (3%)

Yellow (28%)

Black (42%)



Cyan (42%)


Magenta (44%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 20.810, 103.050 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, 20.810, 103.050 by changing the saturation by 10% instead.


 59, 20.810,
103.050


 59, 20.810,
103.050


 100, 20.810,
103.050


 49, 20.810,
103.050


 79, 20.810,
103.050

 39, 20.810,
103.050

 89, 20.810,
103.050

 29, 20.810,
103.050

 99, 20.810,
103.050

 19, 20.810,
103.050

 9, 20.810, 103.050

 0, 20.810, 103.050

■ 59, 20.810,
103.050

■ 59, 20.810,
103.050

■ 58, 28.168,
102.006

■ 60, 13.357,
104.097

■ 58, 35.325,
100.967

■ 60, 5.866, 105.118

■ 57, 42.122, 99.953

■ 61, 1.624, 286.189

■ 57, 48.311, 98.983

■ 62, 9.088, 287.120

■ 56, 53.536, 98.074

■ 63, 16.514,
288.052

■ 56, 57.371, 97.238

■ 64, 23.891,
288.947

■ 55, 59.696, 96.467

■ 65, 31.215,
289.801

■ 55, 60.169, 96.305

■ 66, 38.480,
290.612

■ 67, 45.686,
291.380

Harmonies

Complementary

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



59, 20.810, 103.050



48, 21.894, 289.394

Rectangle

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



59, 20.810, 103.050



59, 20.810, 153.050



59, 20.810, 283.050



59, 20.810, 333.050

Sweetspot

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



59, 20.811, 103.054



77, 7.404, 105.086



49, 17.525, 13.843



41, 5.305, 104.945



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



59, 20.811, 103.054



74, 30.451, 102.443



59, 23.941, 124.132



31, 4.240, 104.981



52, 57.297, 96.348



2, 3.718, 105.920

Inverse Universe

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



48, 21.894, 289.394



58, 32.453, 290.330



48, 25.070, 307.012



29, 4.313, 286.919



16, 79.650, 304.593



0, 3.719, 285.923

Previews

White Background



This preview shows how the CIELCh color 59, 20.810, 103.050 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 59, 20.810, 103.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

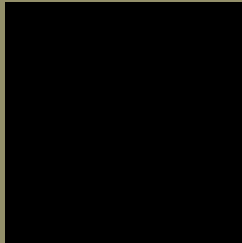
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 20.810, 103.050

Background



This preview shows how black text looks on a background with the CIELCh color 59, 20.810, 103.050.



This preview shows how white text looks on a background with the CIELCh color 59, 20.810, 103.050.

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, 20.810, 103.050

Protanopia

59, 20.671, 95.836

Deuteranopia

59, 20.950, 68.444



Tritanopia
59, 8.555, 333.573

Trichromacy



Original Color
59, 20.810, 103.050

Protanomaly
59, 20.503, 98.192

Deuteranomaly
59, 20.273, 81.499

Tritanomaly
59, 5.931, 61.346

Monochromacy



Original Color
59, 20.810, 103.050

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 7.384, 103.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 20.810, 103.050 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(147, 143, 106)` looks like.

```
.text, #text, p{  
    color:rgb(147, 143, 106)  
}
```

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(147, 143, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 143, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 20.810, 103.050 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(147, 143, 106) }
```

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

```
.border{ border-color:rgb(147, 143, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 143, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 143, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 143, 106);  
box-shadow:4px 4px 4px 4px rgb(147, 143,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 20.810, 103.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 143, 106) }
```

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

```
.background{ background-color: rgb(147,  
143, 106) }
```

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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