

Converting Colors

CIE LCh(59, 16.507, 212.034)

Have a look what the booklet for
CIELCh(59, 16.507, 212.034)
contains.

CIELCh(59, 16.502, 212.028)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(59, 16.502, 212.028)

Conversions

Conversions Part 1

Format	Color
Hex	67969D
RGB	103, 150, 157
RGB Percent	40%, 59%, 62%
CMY	0.5970, 0.4127, 0.3853
CMYK	0.34, 0.04, 0.00, 0.39
HSL	188°, 22%, 51%
HSV	188°, 34%, 61%
XYZ	22.4961, 27.0277, 35.8172
YIQ	136.7450, -30.2590, -7.7870

Conversions

Conversions Part 2

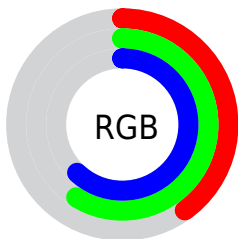
Format	Color
R_{YB}	103, 128, 157
Decimal	6788765
CIE _{Lab}	59.00, -13.99, -8.75
CIE _{LCh}	59, 16.502, 212.028
Yxy	27.0277, 0.2636, 0.3167
Android (android.graphics.Color)	4284978845 (0xFF67969D)
YUV	136.7450, 9.9857, -29.5944
Hunter-Lab	51.9882, -13.7396, -4.4560

Details

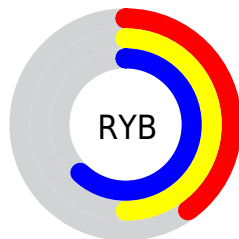
The CIELCh color **59, 16.502, 212.028** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **51, 21.061, 32.693**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 16.495, 213.422**, and **39, 16.539, 212.715** is the 20% darker color. If you saturate the color by 10%, you get **58, 20.354, 212.447**, and if you desaturate by 10%, it is **61, 12.162, 211.781**.

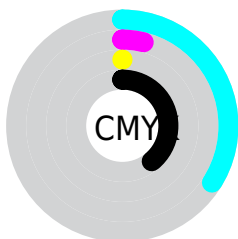
Distribution



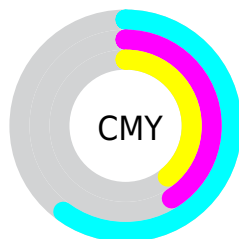
- Red (40%)
- Green (59%)
- Blue (62%)



- Red (40%)
- Yellow (50%)
- Blue (62%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (39%)





- Cyan (60%)
- Magenta (41%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 16.502, 212.028 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, 16.502, 212.028 by changing the saturation by 10% instead.


 59, 16.502,
212.028


 59, 16.502,
212.028


 100, 16.502,
212.028


 49, 16.502,
212.028


 79, 16.502,
212.028

 39, 16.502,
212.028

 89, 16.502,
212.028

 29, 16.502,
212.028

 99, 16.502,
212.028

 19, 16.502,
212.028

 9, 16.502, 212.028

 0, 16.502, 212.028

■ 59, 16.502,
212.028

■ 59, 16.502,
212.028

■ 58, 20.354,
212.447

■ 61, 12.162,
211.781

■ 56, 23.639,
213.087

■ 62, 7.415, 211.692

■ 64, 2.342, 211.826

■ 55, 26.291,
213.989

■ 66, 2.986, 31.558

■ 54, 28.271,
215.203

■ 68, 8.505, 31.810

■ 53, 29.575,
216.782

■ 70, 14.164, 32.035

■ 72, 19.917, 32.284

■ 52, 30.253,
218.768

■ 74, 25.731, 32.556

■ 52, 30.508,
219.959

■ 76, 31.576, 32.844

Harmonies

Complementary

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



59, 16.502, 212.028



51, 21.061, 32.693

Rectangle

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



59, 16.502, 212.028



59, 16.502, 262.028



59, 16.502, 32.028



59, 16.502, 82.028

Sweetspot

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



59, 16.502, 212.024



80, 6.436, 211.704



60, 34.119, 145.250



42, 4.366, 211.697



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, 16.502, 212.024



74, 23.568, 212.316



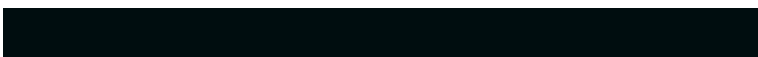
51, 20.342, 272.414



33, 2.964, 211.713



48, 28.511, 219.745



3, 3.900, 214.372

Inverse Universe

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



51, 33.845, 330.207



62, 49.579, 330.649



58, 20.963, 82.488



31, 5.583, 328.693



32, 67.942, 334.029



1, 7.135, 328.992

Previews

White Background



This preview shows how the CIELCh color 59, 16.502, 212.028 looks on a white background.

Color Contrast Check

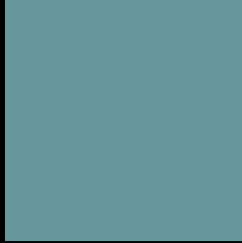
Large Text (above 18pt) WCAG AA ✓ Pass

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, 16.502, 212.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

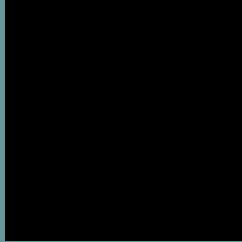
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 16.502, 212.028

Background



This preview shows how black text looks on a background with the CIELCh color 59, 16.502, 212.028.



This preview shows how white text looks on a background with the CIELCh color 59, 16.502, 212.028.

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, 16.502, 212.028

Protanopia

59, 5.674, 290.835

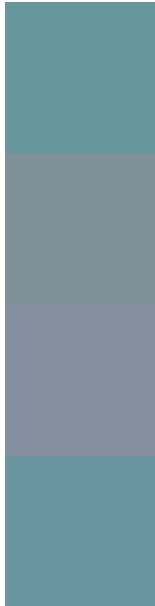
Deuteranopia

59, 12.441, 307.170



Tritanopia
59, 16.503, 222.680

Trichromacy



Original Color
59, 16.502, 212.028

Protanomaly
59, 7.958, 239.022

Deuteranomaly
59, 9.826, 267.134

Tritanomaly
59, 16.214, 218.737

Monochromacy



Original Color
59, 16.502, 212.028

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 6.565, 214.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 16.502, 212.028 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(103, 150, 157)` looks like.

```
.text, #text, p{  
    color:rgb(103, 150, 157)  
}
```

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(103, 150, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 150, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 16.502, 212.028 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(103, 150, 157) }
```

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

```
.border{ border-color:rgb(103, 150, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 150, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 150, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 150, 157);  
box-shadow:4px 4px 4px 4px rgb(103, 150,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 16.502, 212.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 150, 157) }
```

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

```
.background{ background-color: rgb(103,  
150, 157) }
```

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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