

Converting Colors

CIELCh(59, 62.305, 104.345)

Have a look what the booklet for
CIELCh(59, 62.305, 104.345)
contains.

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Color

CIELCh(59, 62.117, 103.940)

Conversions

Conversions Part 1

Format	Color
Hex	91930F
RGB	145, 147, 15
RGB Percent	57%, 58%, 6%
CMY	0.4303, 0.4225, 0.9431
CMYK	0.01, 0.00, 0.90, 0.42
HSL	61°, 82%, 32%
HSV	61°, 90%, 58%
XYZ	22.2842, 27.0277, 4.4756
YIQ	131.3540, 41.1800, -41.4760

Conversions

Conversions Part 2

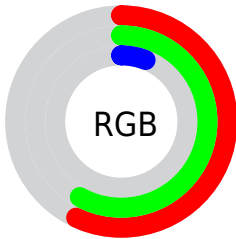
Format	Color
R_{YB}	15, 147, 17
Decimal	9540367
CIE _{Lab}	59.00, -14.96, 60.29
CIE _{LCh}	59, 62.117, 103.940
Yxy	27.0277, 0.4143, 0.5025
Android (android.graphics.Color)	4287730447 (0xFF91930F)
YUV	131.3540, -57.3625, 11.9675
Hunter-Lab	51.9882, -14.4671, 31.2876

Details

The CIELCh color **59, 62.117, 103.940** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **18, 83.390, 305.225**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 61.951, 104.118**, and **39, 47.903, 107.025** is the 20% darker color. If you saturate the color by 10%, you get **59, 64.376, 103.762**, and if you desaturate by 10%, it is **59, 58.564, 104.275**.

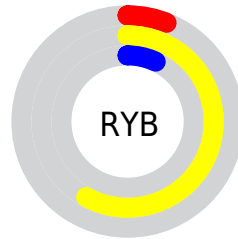
Distribution



Red (57%)

Green (58%)

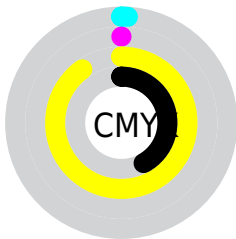
Blue (6%)



Red (6%)

Yellow (58%)

Blue (7%)

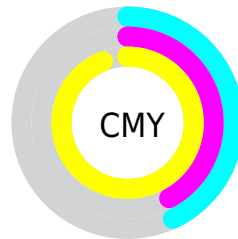


Cyan (1%)

Magenta (0%)

Yellow (90%)

Black (42%)



Cyan (43%)


Magenta (42%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 62.117, 103.940 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, 62.117, 103.940 by changing the saturation by 10% instead.


 59, 62.117,
103.940


 59, 62.117,
103.940


 100, 62.117,
103.940


 49, 62.117,
103.940


 79, 62.117,
103.940


 39, 62.117,
103.940


 89, 62.117,
103.940

 29, 62.117,
103.940

 99, 62.117,
103.940

 19, 62.117,
103.940

 9, 62.117, 103.940

 0, 62.117, 103.940

■ 59, 62.117,
103.940

■ 59, 62.117,
103.940

■ 59, 64.376,
103.762

■ 59, 58.564,
104.275

■ 59, 53.487,
104.796

■ 59, 47.242,
105.468

■ 59, 40.188,
106.249

■ 60, 32.608,
107.103

■ 60, 24.699,
108.000

■ 60, 16.596,
108.918

■ 61, 8.384, 109.836

Harmonies

Complementary

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



59, 62.117, 103.940



18, 83.390, 305.225

Rectangle

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



59, 62.117, 103.940



59, 62.117, 153.940



59, 62.117, 283.940



59, 62.117, 333.940

Sweetspot

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



59, 62.117, 103.942



76, 27.415, 108.238



31, 63.797, 36.707



40, 18.583, 107.958



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, 62.117, 103.942



75, 78.074, 103.781



55, 68.943, 126.951



31, 4.681, 109.923



55, 61.303, 103.757



3, 4.113, 110.765

Inverse Universe

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



18, 83.390, 305.225



23, 107.706, 306.329



24, 78.349, 312.441



28, 4.781, 291.667



15, 84.542, 306.350



0, 4.114, 290.766

Previews

White Background



This preview shows how the CIELCh color 59, 62.117, 103.940 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, 62.117, 103.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

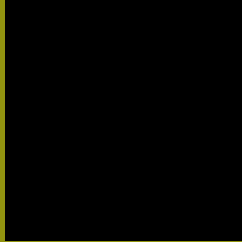
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 62.117, 103.940

Background



This preview shows how black text looks on a background with the CIELCh color 59, 62.117, 103.940.



This preview shows how white text looks on a background with the CIELCh color 59, 62.117, 103.940.

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, 61.933, 103.963

Protanopia

59, 61.410, 95.125

Deuteranopia

59, 59.346, 82.883



Tritanopia
59, 9.403, 338.939

Trichromacy



Original Color
59, 61.933, 103.963

Protanomaly
59, 61.499, 98.265

Deuteranomaly
59, 59.264, 90.411

Tritanomaly
59, 23.963, 96.948

Monochromacy



Original Color
59, 61.933, 103.963

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 27.472, 107.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 62.117, 103.940 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(145, 147, 15)` looks like.

```
.text, #text, p{  
    color:rgb(145, 147, 15)  
}
```

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(145, 147, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 147, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 62.117, 103.940 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(145, 147, 15) }
```

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

```
.border{ border-color:rgb(145, 147, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 147, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 147, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 147, 15);  
box-shadow:4px 4px 4px 4px rgb(145, 147,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 62.117, 103.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 147, 15) }
```

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

```
.background{ background-color: rgb(145,  
147, 15) }
```

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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