

Converting Colors

CIELCh(59, 35.638, 163.463)

Have a look what the booklet for
CIELCh(59, 35.638, 163.463)
contains.

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Color

CIELCh(59, 35.569, 163.536)

Conversions

Conversions Part 1

Format	Color
Hex	489D7B
RGB	72, 157, 123
RGB Percent	28%, 62%, 48%
CMY	0.7166, 0.3833, 0.5167
CMYK	0.54, 0.00, 0.22, 0.38
HSL	156°, 37%, 45%
HSV	156°, 54%, 62%
XYZ	18.3851, 27.0277, 23.0687
YIQ	127.7090, -39.7460, -28.5940

Conversions

Conversions Part 2

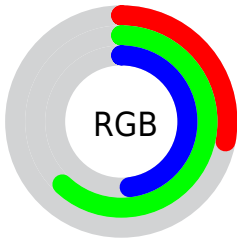
Format	Color
RYB	72, 125, 157
Decimal	4758907
CIELab	59.00, -34.11, 10.08
CIElCh	59, 35.569, 163.536
Yxy	27.0277, 0.2685, 0.3947
Android (android.graphics.Color)	4282948987 (0xFF489D7B)
YUV	127.7090, -2.3215, -48.8568
Hunter-Lab	51.9882, -27.8546, 10.0831

Details

The CIELCh color **59, 35.569, 163.536** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **43, 39.260, 356.074**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 35.619, 163.207**, and **39, 35.724, 163.334** is the 20% darker color. If you saturate the color by 10%, you get **58, 40.969, 162.022**, and if you desaturate by 10%, it is **60, 29.643, 164.884**.

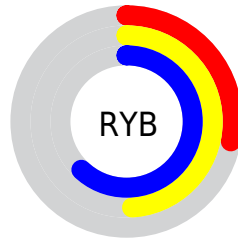
Distribution



Red (28%)

Green (62%)

Blue (48%)



Red (28%)

Yellow (49%)

Blue (62%)

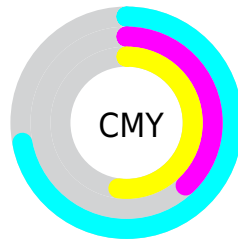


Cyan (54%)

Magenta (0%)

Yellow (22%)

Black (38%)



Cyan (72%)


Magenta (38%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 35.569, 163.536 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, 35.569, 163.536 by changing the saturation by 10% instead.


 59, 35.569,
163.536


 59, 35.569,
163.536


 100, 35.569,
163.536


 49, 35.569,
163.536


 79, 35.569,
163.536

 39, 35.569,
163.536

 89, 35.569,
163.536

 29, 35.569,
163.536

 99, 35.569,
163.536

 19, 35.569,
163.536

 9, 35.569, 163.536

 0, 35.569, 163.536

■ 59, 35.569,
163.536

■ 59, 35.569,
163.536

■ 58, 40.969,
162.022

■ 60, 29.643,
164.884

■ 58, 45.757,
160.322

■ 61, 23.295,
166.093

■ 57, 49.889,
158.421

■ 62, 16.639,
167.186

■ 57, 53.375,
156.320

■ 63, 9.782, 168.188

■ 57, 55.291,
155.070

■ 64, 2.821, 169.186

■ 66, 4.163, 349.800

■ 67, 11.107,
350.632

■ 69, 17.960,
351.372

■ 71, 24.689,
352.062

Harmonies

Complementary

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



59, 35.569, 163.536



43, 39.260, 356.074

Rectangle

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



59, 35.569, 163.536



59, 35.569, 213.536



59, 35.569, 343.536



59, 35.569, 33.536

Sweetspot

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



59, 35.570, 163.535



79, 13.760, 167.968



60, 50.277, 129.487



41, 9.259, 167.781



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, 35.570, 163.535



74, 51.033, 161.665



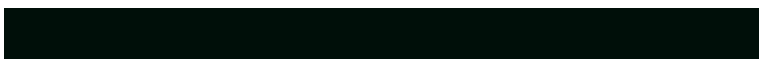
58, 24.460, 206.871



33, 3.961, 168.651



52, 51.326, 155.278



3, 5.310, 167.545

Inverse Universe

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



43, 39.260, 356.074



51, 56.879, 358.698



43, 36.913, 31.070



31, 4.034, 350.166



30, 54.968, 10.465



1, 5.138, 350.683

Previews

White Background



This preview shows how the CIE LCh color 59, 35.569, 163.536 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, 35.569, 163.536 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, 35.569, 163.536

Background



This preview shows how black text looks on a background with the CIELCh color 59, 35.569, 163.536.



This preview shows how white text looks on a background with the CIELCh color 59, 35.569, 163.536.

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, 35.569, 163.536

Protanopia

59, 15.034, 95.549

Deuteranopia

59, 10.902, 44.620



Tritanopia
59, 22.117, 215.708

Trichromacy



Original Color
59, 35.569, 163.536

Protanomaly
58, 19.468, 140.561

Deuteranomaly
58, 12.066, 140.784

Tritanomaly
59, 24.709, 190.533

Monochromacy



Original Color
59, 35.569, 163.536

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 14.172, 166.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 35.569, 163.536 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(72, 157, 123)` looks like.

```
.text, #text, p{  
    color:rgb(72, 157, 123)  
}
```

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(72, 157, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 157, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 35.569, 163.536 is called "border". The border property can be set on classes, ids or directly on the HTML element.

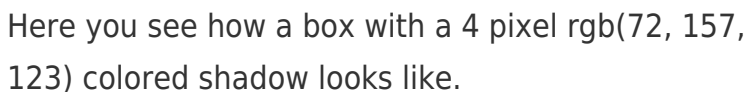
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 157, 123) }
```

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

```
.border{ border-color:rgb(72, 157, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(72, 157, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 157, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 157, 123);  
box-shadow:4px 4px 4px 4px rgb(72, 157,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 35.569, 163.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 157, 123) }
```

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

```
.background{ background-color: rgb(72, 157,  
123) }
```

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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