

Converting Colors

CIELCh(51, 87.357, 212.240)

Have a look what the booklet for
CIELCh(51, 87.357, 212.240)
contains.

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Color

CIELCh(59, 37.751, 244.431)

Conversions

Conversions Part 1

Format	Color
Hex	0599C9
RGB	5, 153, 201
RGB Percent	2%, 60%, 79%
CMY	0.9805, 0.4001, 0.2116
CMYK	0.98, 0.24, 0.00, 0.21
HSL	195°, 95%, 40%
HSV	195°, 98%, 79%
XYZ	21.9973, 27.0277, 59.3391
YIQ	114.2200, -103.6160, -16.4480

Conversions

Conversions Part 2

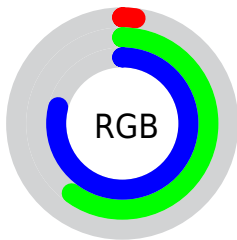
Format	Color
R _Y B	5, 89, 201
Decimal	367049
CIE Lab	59.00, -16.29, -34.05
CIE LCh	59, 37.751, 244.431
Yxy	27.0277, 0.2030, 0.2494
Android (android.graphics.Color)	4278557129 (0xFF0599C9)
YUV	114.2200, 42.7825, -95.7859
Hunter-Lab	51.9882, -15.4522, -31.2816

Details

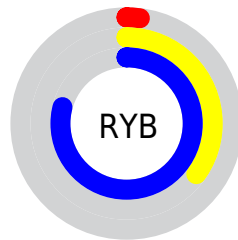
The CIELCh color **59, 37.751, 244.431** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **46, 79.741, 44.889**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 36.927, 242.453**, and **41, 32.513, 256.242** is the 20% darker color. If you saturate the color by 10%, you get **59, 38.103, 245.518**, and if you desaturate by 10%, it is **61, 36.299, 240.130**.

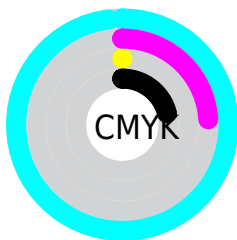
Distribution



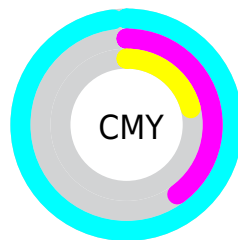
- Red (2%)
- Green (60%)
- Blue (79%)



- Red (2%)
- Yellow (35%)
- Blue (79%)



- Cyan (98%)
- Magenta (24%)
- Yellow (0%)
- Black (21%)





- Cyan (98%)
- Magenta (40%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 37.751, 244.431 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, 37.751, 244.431 by changing the saturation by 10% instead.


 59, 37.751,
244.431


 59, 37.751,
244.431


 100, 37.751,
244.431


 49, 37.751,
244.431


 79, 37.751,
244.431

 39, 37.751,
244.431

 89, 37.751,
244.431

 29, 37.751,
244.431

 99, 37.751,
244.431

 19, 37.751,
244.431

 9, 37.751, 244.431

 0, 37.751, 244.431

■ 59, 37.751,
244.431

■ 59, 37.751,
244.431

■ 59, 38.103,
245.518

■ 61, 36.299,
240.130

■ 62, 34.404,
236.479

■ 64, 31.911,
233.499

■ 66, 28.762,
231.120

■ 69, 24.963,
229.251

■ 71, 20.561,
227.804

■ 74, 15.631,
226.698

■ 76, 10.255,

225.870

■ 79, 4.515, 225.302

Harmonies

Complementary

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



59, 37.751, 244.431



46, 79.741, 44.889

Rectangle

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



59, 37.751, 244.431



59, 37.751, 294.431



59, 37.751, 64.431



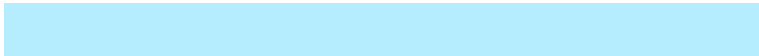
59, 37.751, 114.431

Sweetspot

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



59, 37.750, 244.432



91, 19.849, 226.883



71, 91.584, 139.593



47, 13.414, 227.348



0, 0.000, 0.000



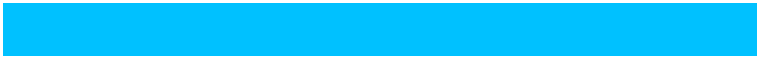
53, 0.007, 296.813

Same Dimension

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



59, 37.750, 244.432



73, 45.748, 246.234



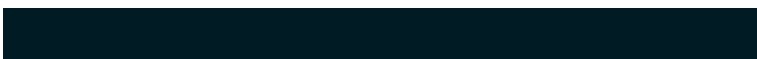
32, 88.437, 299.383



41, 3.358, 225.383



48, 32.513, 244.751



8, 11.134, 234.617

Inverse Universe

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



45, 79.850, 340.773



57, 95.456, 341.355



65, 69.170, 82.233



39, 6.222, 332.729



36, 68.701, 340.880



4, 21.569, 337.377

Previews

White Background



This preview shows how the CIE LCh color 59, 37.751, 244.431 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, 37.751, 244.431 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, 37.751, 244.431

Background



This preview shows how black text looks on a background with the CIELCh color 59, 37.751, 244.431.

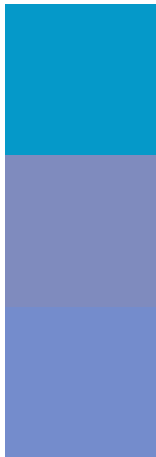


This preview shows how white text looks on a background with the CIELCh color 59, 37.751, 244.431.

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, 37.735, 244.386

Protanopia

59, 29.069, 285.708

Deuteranopia

59, 36.668, 282.823



Tritanopia
59, 33.678, 208.452

Trichromacy



Original Color
59, 37.735, 244.386

Protanomaly
58, 32.319, 261.129

Deuteranomaly
58, 36.629, 263.724

Tritanomaly
59, 33.732, 222.125

Monochromacy



Original Color
59, 37.735, 244.386

Achromatopsia
48, 0.006, 296.813

Achromatomaly
51, 19.899, 230.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 37.751, 244.431 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(5, 153, 201)` looks like.

```
.text, #text, p{  
    color:rgb(5, 153, 201)  
}
```

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(5, 153, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 153, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 37.751, 244.431 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(5, 153, 201) }
```

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

```
.border{ border-color:rgb(5, 153, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 153, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 153, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 153, 201);  
box-shadow:4px 4px 4px 4px rgb(5, 153,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 37.751, 244.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 153, 201) }
```

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

```
.background{ background-color: rgb(5, 153,  
201) }
```

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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