

Converting Colors

CIELCh(59, 33.940, 196.455)

Have a look what the booklet for
CIELCh(59, 33.940, 196.455)
contains.

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Color

CIELCh(59, 33.972, 196.474)

Conversions

Conversions Part 1

Format	Color
Hex	169E9E
RGB	22, 158, 158
RGB Percent	9%, 62%, 62%
CMY	0.9153, 0.3810, 0.3810
CMYK	0.86, 0.00, 0.00, 0.38
HSL	180°, 76%, 35%
HSV	180°, 86%, 62%
XYZ	18.6791, 27.0277, 36.5082
YIQ	117.3360, -81.0560, -28.8320

Conversions

Conversions Part 2

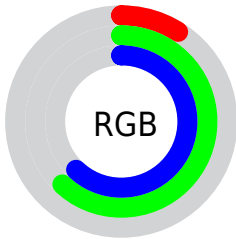
Format	Color
RYB	22, 90, 158
Decimal	1482398
CIELab	59.00, -32.58, -9.63
CIELCh	59, 33.972, 196.474
Yxy	27.0277, 0.2272, 0.3287
Android (android.graphics.Color)	4279672478 (0xFF169E9E)
YUV	117.3360, 20.0474, -83.6097
Hunter-Lab	51.9882, -26.8451, -5.2441

Details

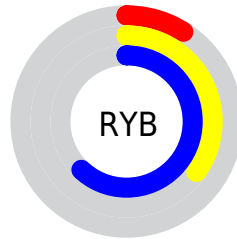
The CIELCh color **59, 33.972, 196.474** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **34, 64.984, 35.587**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 33.816, 197.047**, and **40, 26.116, 197.770** is the 20% darker color. If you saturate the color by 10%, you get **59, 34.779, 196.407**, and if you desaturate by 10%, it is **59, 32.523, 196.592**.

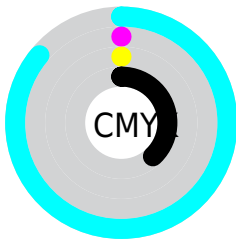
Distribution



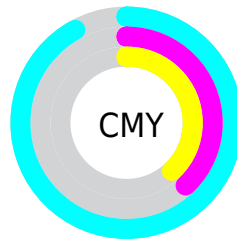
- Red (9%)
- Green (62%)
- Blue (62%)



- Red (9%)
- Yellow (35%)
- Blue (62%)



- Cyan (86%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)



- Cyan (92%)
- Magenta (38%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 33.972, 196.474 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, 33.972, 196.474 by changing the saturation by 10% instead.

 59, 33.972,
196.474


 59, 33.972,
196.474


 100, 33.972,
196.474

 49, 33.972,
196.474

 79, 33.972,
196.474

 39, 33.972,
196.474

 89, 33.972,
196.474

 29, 33.972,
196.474

 99, 33.972,
196.474

 19, 33.972,
196.474

 9, 33.972, 196.474

 0, 33.972, 196.474

■ 59, 33.972,
196.474

■ 59, 33.972,
196.474

■ 59, 34.779,
196.407

■ 59, 32.523,
196.592

■ 59, 35.017,
196.387

■ 60, 30.352,
196.772

■ 60, 27.447,
197.016

■ 61, 23.835,
197.323

■ 61, 19.574,
197.692

■ 62, 14.745,
198.119

■ 63, 9.438, 198.605

■ 64, 3.747, 199.190

Harmonies

Complementary

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



59, 33.972, 196.474



34, 64.984, 35.587

Rectangle

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



59, 33.972, 196.474



59, 33.972, 246.474



59, 33.972, 16.474



59, 33.972, 66.474

Sweetspot

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



59, 33.972, 196.473



79, 17.945, 198.111



57, 79.655, 136.746



41, 11.996, 197.969



91, 0.011, 296.813



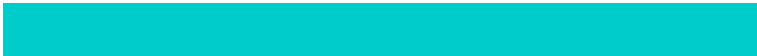
43, 0.006, 296.813

Same Dimension

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



59, 33.972, 196.473



75, 42.358, 196.387



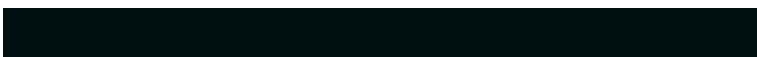
38, 43.091, 277.552



33, 3.339, 198.997



54, 32.543, 196.387



3, 4.473, 199.423

Inverse Universe

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



38, 77.393, 328.090



49, 97.679, 328.233



45, 52.910, 64.038



31, 6.104, 324.916



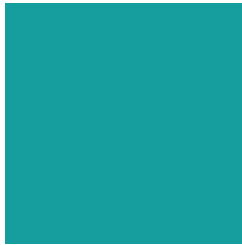
34, 75.046, 328.233



1, 7.944, 324.439

Previews

White Background



This preview shows how the CIELCh color 59, 33.972, 196.474 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, 33.972, 196.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

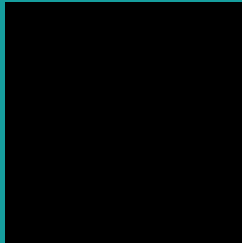
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 33.972, 196.474

Background



This preview shows how black text looks on a background with the CIELCh color 59, 33.972, 196.474.

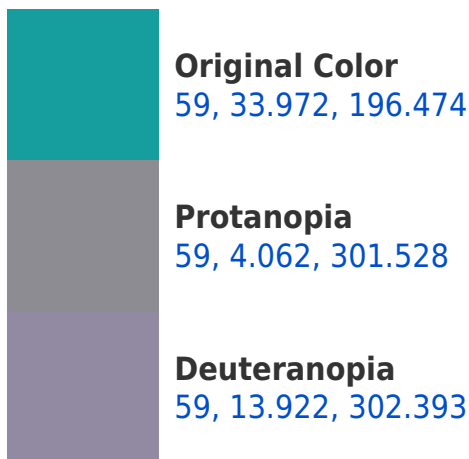


This preview shows how white text looks on a background with the CIELCh color 59, 33.972, 196.474.

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



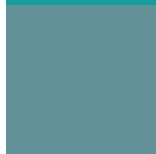


Tritanopia
59, 31.415, 210.585

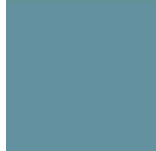
Trichromacy



Original Color
59, 33.972, 196.474



Protanomaly
57, 16.737, 207.798



Deuteranomaly
58, 17.091, 228.419

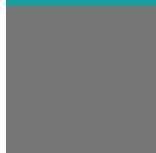


Tritanomaly
59, 32.274, 204.872

Monochromacy



Original Color
59, 33.972, 196.474



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 17.569, 197.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 33.972, 196.474 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(22, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(22, 158, 158)  
}
```

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(22, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 158, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 33.972, 196.474 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(22, 158, 158) }
```

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

```
.border{ border-color:rgb(22, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(22, 158,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 33.972, 196.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 158, 158) }
```

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

```
.background{ background-color: rgb(22, 158,  
158) }
```

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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