

Converting Colors

CIELCh(59, 34.747, 196.373)

Have a look what the booklet for
CIELCh(59, 34.747, 196.373)
contains.

CIELCh(59, 34.717, 196.413)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(59, 34.717, 196.413)

Conversions

Conversions Part 1

Format	Color
Hex	099E9E
RGB	9, 158, 158
RGB Percent	4%, 62%, 62%
CMY	0.9663, 0.3799, 0.3799
CMYK	0.95, 0.00, 0.00, 0.38
HSL	180°, 90%, 33%
HSV	180°, 95%, 62%
XYZ	18.5397, 27.0277, 36.6470
YIQ	113.4490, -88.8040, -31.5880

Conversions

Conversions Part 2

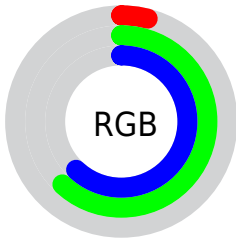
Format	Color
RYB	9, 84, 158
Decimal	630430
CIELab	59.00, -33.30, -9.81
CIELCh	59, 34.717, 196.413
Yxy	27.0277, 0.2255, 0.3287
Android (android.graphics.Color)	4278820510 (0xFF099E9E)
YUV	113.4490, 21.9636, -91.6018
Hunter-Lab	51.9882, -27.3237, -5.4023

Details

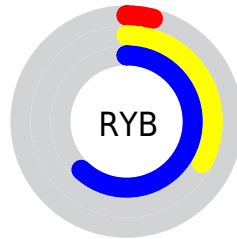
The CIELCh color **59, 34.717, 196.413** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **33, 69.965, 38.199**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 34.602, 196.994**, and **40, 26.116, 197.770** is the 20% darker color. If you saturate the color by 10%, you get **59, 35.066, 196.383**, and if you desaturate by 10%, it is **59, 33.818, 196.486**.

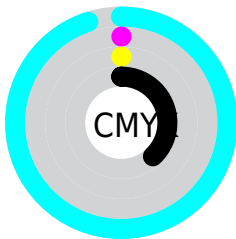
Distribution



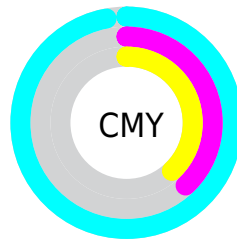
- Red (4%)
- Green (62%)
- Blue (62%)



- Red (4%)
- Yellow (33%)
- Blue (62%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)





- Cyan (97%)
- Magenta (38%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 34.717, 196.413 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, 34.717, 196.413 by changing the saturation by 10% instead.


 59, 34.717,
196.413

 59, 34.717,
196.413

 100, 34.717,
196.413

 49, 34.717,
196.413


 79, 34.717,
196.413


 39, 34.717,
196.413


 89, 34.717,
196.413

 29, 34.717,
196.413

 99, 34.717,
196.413

 19, 34.717,
196.413

 9, 34.717, 196.413

 0, 34.717, 196.413

■ 59, 34.717,
196.413

■ 59, 34.717,
196.413

■ 59, 35.066,
196.383

■ 59, 33.818,
196.486

■ 59, 32.245,
196.615

■ 60, 29.943,
196.807

■ 60, 26.908,
197.061

■ 61, 23.172,
197.380

■ 62, 18.800,
197.759

■ 62, 13.874,
198.196

■ 63, 8.485, 198.694

Harmonies

Complementary

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



59, 34.717, 196.413



33, 69.965, 38.199

Rectangle

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



59, 34.717, 196.413



59, 34.717, 246.413



59, 34.717, 16.413



59, 34.717, 66.413

Sweetspot

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



59, 34.717, 196.412



79, 19.377, 198.016



57, 82.332, 136.192



42, 13.275, 197.839



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



59, 34.717, 196.412



75, 42.755, 196.383



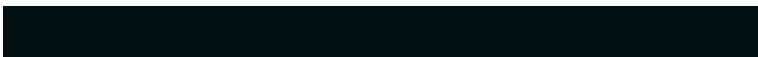
36, 45.709, 279.456



33, 3.339, 198.995



54, 32.544, 196.383



3, 4.473, 199.420

Inverse Universe

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



33, 69.965, 38.199



43, 89.215, 39.999



43, 57.270, 60.808



31, 3.535, 19.898



29, 67.091, 39.160



1, 4.473, 19.403

Previews

White Background



This preview shows how the CIELCh color 59, 34.717, 196.413 looks on a white background.

Color Contrast Check

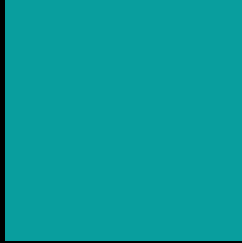
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.717, 196.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

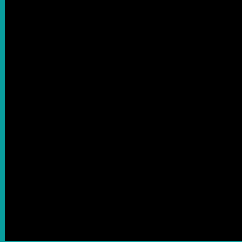
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 34.717, 196.413

Background



This preview shows how black text looks on a background with the CIELCh color 59, 34.717, 196.413.

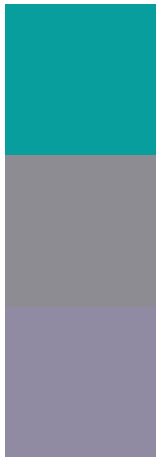


This preview shows how white text looks on a background with the CIELCh color 59, 34.717, 196.413.

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](#).

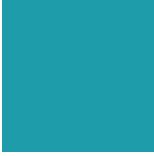
Dichromacy



Original Color
59, 34.677, 196.416

Protanopia
59, 4.062, 301.528

Deuteranopia
59, 14.479, 302.009



Tritanopia
59, 31.878, 210.347

Trichromacy



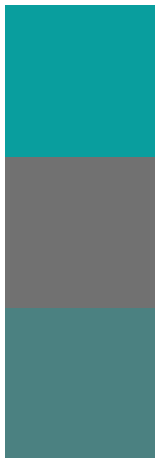
Original Color
59, 34.677, 196.416

Protanomaly
57, 18.470, 204.896

Deuteranomaly
57, 18.542, 227.790

Tritanomaly
59, 32.901, 204.666

Monochromacy



Original Color
59, 34.677, 196.416

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 18.730, 197.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 34.717, 196.413 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(9, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(9, 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(9, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 158, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 34.717, 196.413 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(9, 158, 158) }
```

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

```
.border{ border-color:rgb(9, 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(9, 158, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(9, 158,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 34.717, 196.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 158, 158) }
```

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

```
.background{ background-color: rgb(9, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor