

Converting Colors

CIELCh(59, 34.557, 200.745)

Have a look what the booklet for
CIELCh(59, 34.557, 200.745)
contains.

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Color

CIELCh(59, 34.496, 200.286)

Conversions

Conversions Part 1

Format	Color
Hex	009EA2
RGB	0, 158, 162
RGB Percent	0%, 62%, 64%
CMY	1.0000, 0.3807, 0.3650
CMYK	1.00, 0.02, 0.00, 0.37
HSL	181°, 100%, 32%
HSV	181°, 100%, 63%
XYZ	18.7218, 27.0277, 38.3728
YIQ	111.2140, -95.4520, -32.2520

Conversions

Conversions Part 2

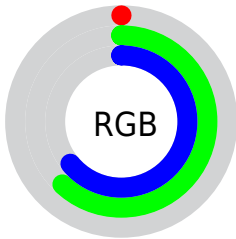
Format	Color
RYB	0, 80, 162
Decimal	40610
CIELab	59.00, -32.36, -11.96
CIELCh	59, 34.496, 200.286
Yxy	27.0277, 0.2226, 0.3213
Android (android.graphics.Color)	4278230690 (0xFF009EA2)
YUV	111.2140, 25.0375, -97.5347
Hunter-Lab	51.9882, -26.6987, -7.3705

Details

The CIELCh color **59, 34.496, 200.286** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **33, 73.844, 40.084**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 34.406, 200.637**, and **40, 25.720, 202.011** is the 20% darker color. If you saturate the color by 10%, you get **59, 34.482, 200.287**, and if you desaturate by 10%, it is **59, 33.907, 200.008**.

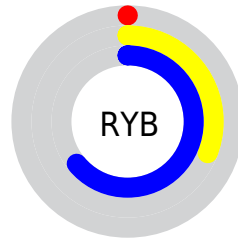
Distribution



Red (0%)

Green (62%)

Blue (64%)



Red (0%)

Yellow (31%)

Blue (64%)

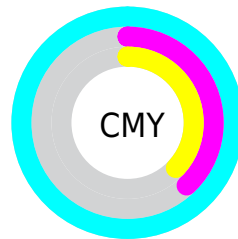


Cyan (100%)

Magenta (2%)

Yellow (0%)

Black (37%)



Cyan (100%)

Magenta (38%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 34.496, 200.286 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, 34.496, 200.286 by changing the saturation by 10% instead.

 59, 34.496,
200.286

 59, 34.496,
200.286

 100, 34.496,
200.286

 49, 34.496,
200.286

 79, 34.496,
200.286

 39, 34.496,
200.286

 89, 34.496,
200.286

 29, 34.496,
200.286

 99, 34.496,
200.286

 19, 34.496,
200.286

 9, 34.496, 200.286

 0, 34.496, 200.286

■ 59, 34.496,
200.286

■ 59, 34.496,
200.286

■ 59, 34.482,
200.287

■ 59, 33.907,
200.008

■ 60, 32.802,
199.812

■ 60, 30.975,
199.723

■ 61, 28.398,
199.737

■ 61, 25.087,
199.851

■ 62, 21.097,
200.054

■ 63, 16.501,
200.339

■ 64, 11.391,

200.700

■ 65, 5.860, 201.144

Harmonies

Complementary

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



59, 34.496, 200.286



33, 73.844, 40.084

Rectangle

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



59, 34.496, 200.286



59, 34.496, 250.286



59, 34.496, 20.286



59, 34.496, 70.286

Sweetspot

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



59, 34.482, 200.287



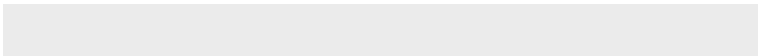
80, 20.477, 200.321



58, 84.948, 136.175



42, 13.857, 200.199



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



59, 34.482, 200.287



76, 42.055, 200.365



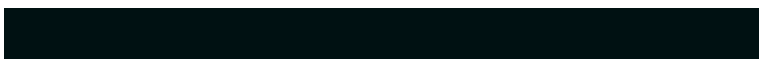
34, 52.620, 285.187



34, 3.343, 201.182



53, 31.869, 200.251



4, 5.287, 202.254

Inverse Universe

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



38, 80.720, 329.228



50, 98.472, 329.247



44, 60.188, 62.386



32, 6.163, 325.586



34, 74.593, 329.218



2, 9.489, 325.327

Previews

White Background



This preview shows how the CIE LCh color 59, 34.496, 200.286 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, 34.496, 200.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

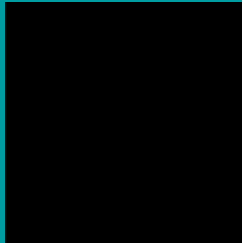
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 34.496, 200.286

Background



This preview shows how black text looks on a background with the CIELCh color 59, 34.496, 200.286.

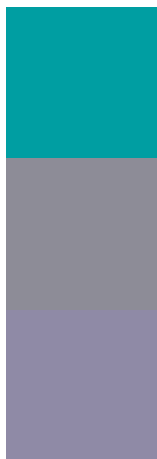


This preview shows how white text looks on a background with the CIELCh color 59, 34.496, 200.286.

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, 34.496, 200.286

Protanopia

59, 6.265, 294.365

Deuteranopia

59, 16.049, 298.465



Tritanopia
59, 32.546, 208.954

Trichromacy



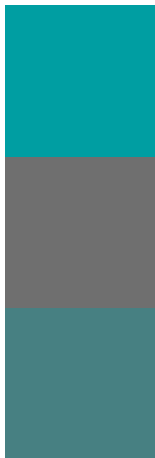
Original Color
59, 34.496, 200.286

Protanomaly
57, 19.356, 211.486

Deuteranomaly
57, 20.353, 232.445

Tritanomaly
59, 33.242, 205.572

Monochromacy



Original Color
59, 34.496, 200.286

Achromatopsia
47, 0.006, 296.813

Achromatomaly
50, 19.393, 200.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 34.496, 200.286 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(0, 158, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 162)  
}
```

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(0, 158, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 34.496, 200.286 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(0, 158, 162) }
```

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

```
.border{ border-color:rgb(0, 158, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 34.496, 200.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 162) }
```

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

```
.background{ background-color: rgb(0, 158,  
162) }
```

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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