

Converting Colors

CIELCh(59, 30.682, 196.718)

Have a look what the booklet for
CIELCh(59, 30.682, 196.718)
contains.

CIELCh(59, 30.831, 196.721)	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, 30.831, 196.721)

Conversions

Conversions Part 1

Format	Color
Hex	309D9D
RGB	48, 157, 157
RGB Percent	19%, 62%, 62%
CMY	0.8101, 0.3860, 0.3860
CMYK	0.69, 0.00, 0.00, 0.39
HSL	180°, 53%, 40%
HSV	180°, 69%, 61%
XYZ	19.2733, 27.0277, 35.9098
YIQ	124.4090, -64.9640, -23.1080

Conversions

Conversions Part 2

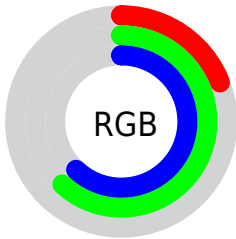
Format	Color
R_{YB}	48, 103, 157
Decimal	3186077
CIE _{Lab}	59.00, -29.53, -8.87
CIE _{LCh}	59, 30.831, 196.721
Yxy	27.0277, 0.2344, 0.3288
Android (android.graphics.Color)	4281376157 (0xFF309D9D)
YUV	124.4090, 16.0674, -67.0107
Hunter-Lab	51.9882, -24.8052, -4.5616

Details

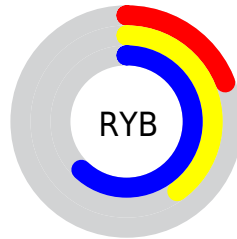
The CIELCh color **59, 30.831, 196.721** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **37, 51.501, 29.708**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 31.136, 196.223**, and **40, 25.941, 197.781** is the 20% darker color. If you saturate the color by 10%, you get **59, 32.790, 196.557**, and if you desaturate by 10%, it is **59, 28.141, 196.946**.

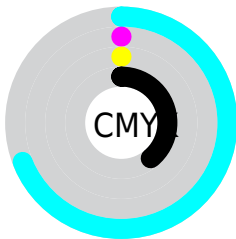
Distribution



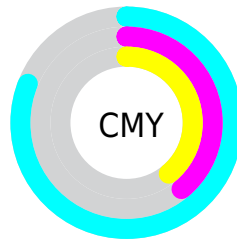
- Red (19%)
- Green (62%)
- Blue (62%)



- Red (19%)
- Yellow (40%)
- Blue (62%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (39%)





- Cyan (81%)
- Magenta (39%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 30.831, 196.721 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, 30.831, 196.721 by changing the saturation by 10% instead.


 59, 30.831,
196.721


 59, 30.831,
196.721


 100, 30.831,
196.721


 49, 30.831,
196.721


 79, 30.831,
196.721

 39, 30.831,
196.721

 89, 30.831,
196.721

 29, 30.831,
196.721

 99, 30.831,
196.721

 19, 30.831,
196.721

 9, 30.831, 196.721

 0, 30.831, 196.721

■ 59, 30.831,
196.721

■ 59, 30.831,
196.721

■ 59, 32.790,
196.557

■ 59, 28.141,
196.946

■ 59, 34.043,
196.454

■ 60, 24.739,
197.235

■ 58, 34.750,
196.396

■ 61, 20.675,
197.587

■ 58, 34.810,
196.391

■ 61, 16.023,
197.998

■ 62, 10.873,
198.467

■ 63, 5.315, 199.010

■ 65, 0.559, 18.636

■ 66, 6.668, 19.955

Harmonies

Complementary

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



59, 30.831, 196.721



37, 51.501, 29.708

Rectangle

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



59, 30.831, 196.721



59, 30.831, 246.721



59, 30.831, 16.721



59, 30.831, 66.721

Sweetspot

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



59, 30.831, 196.720



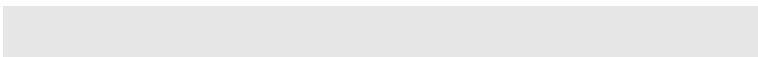
79, 14.745, 198.352



57, 69.126, 138.365



41, 9.874, 198.231



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, 30.831, 196.720



75, 40.846, 196.493



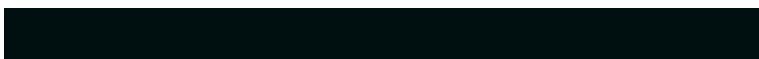
42, 34.614, 270.647



33, 3.339, 198.999



54, 32.542, 196.391



3, 4.472, 199.425

Inverse Universe

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



41, 68.027, 327.701



50, 92.841, 328.063



48, 41.950, 66.811



31, 6.104, 324.916



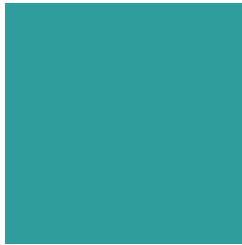
34, 75.045, 328.234



1, 7.944, 324.440

Previews

White Background



This preview shows how the CIELCh color 59, 30.831, 196.721 looks on a white background.

Color Contrast Check

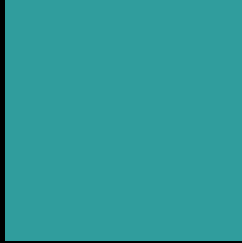
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.831, 196.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

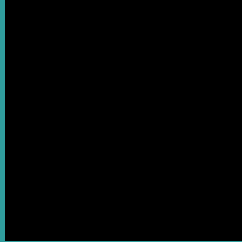
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 30.831, 196.721

Background



This preview shows how black text looks on a background with the CIELCh color 59, 30.831, 196.721.

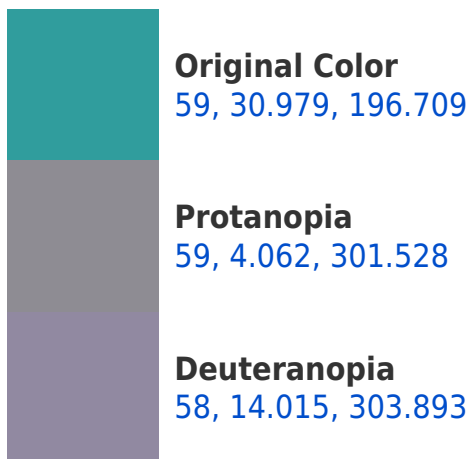


This preview shows how white text looks on a background with the CIELCh color 59, 30.831, 196.721.

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, 28.687, 210.931

Trichromacy



Original Color
59, 30.979, 196.709

Protanomaly
58, 13.646, 207.857

Deuteranomaly
58, 14.298, 235.410

Tritanomaly
59, 29.341, 204.776

Monochromacy



Original Color
59, 30.979, 196.709

Achromatopsia
52, 0.007, 296.813

Achromatomaly
54, 14.127, 198.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 30.831, 196.721 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(48, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(48, 157, 157)  
}
```

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(48, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 157, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 30.831, 196.721 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(48, 157, 157) }
```

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

```
.border{ border-color:rgb(48, 157, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 157, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(48, 157,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 30.831, 196.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 157, 157) }
```

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

```
.background{ background-color: rgb(48, 157,  
157) }
```

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