

Converting Colors

CIELCh(53, 93.842, 199.615)

Have a look what the booklet for
CIELCh(53, 93.842, 199.615)
contains.

CIELCh(60, 33.950, 216.526)	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(60, 33.950, 216.526)

Conversions

Conversions Part 1

Format	Color
Hex	019FB3
RGB	1, 159, 179
RGB Percent	0%, 62%, 70%
CMY	0.9968, 0.3758, 0.2973
CMYK	1.00, 0.11, 0.00, 0.30
HSL	187°, 99%, 35%
HSV	187°, 100%, 70%
XYZ	20.5927, 28.1233, 47.0847
YIQ	114.0380, -100.5880, -27.2760

Conversions

Conversions Part 2

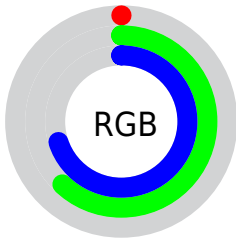
Format	Color
R_{YB}	1, 85, 179
Decimal	106419
CIE _{Lab}	60.00, -27.28, -20.21
CIE _{LCh}	60, 33.950, 216.526
Yxy	28.1233, 0.2150, 0.2936
Android (android.graphics.Color)	4278296499 (0xFF019FB3)
YUV	114.0380, 32.0263, -99.1343
Hunter-Lab	53.0314, -23.4914, -15.5194

Details

The CIELCh color **60, 33.950, 216.526** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 78.159, 41.306**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **80, 33.907, 216.813**, and **41, 25.872, 223.796** is the 20% darker color. If you saturate the color by 10%, you get **60, 33.966, 216.612**, and if you desaturate by 10%, it is **61, 33.520, 214.672**.

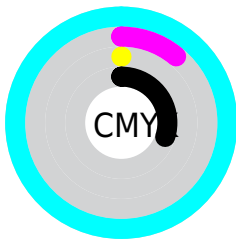
Distribution



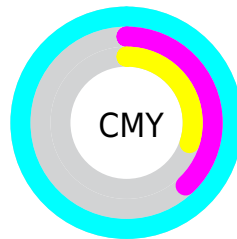
- Red (0%)
- Green (62%)
- Blue (70%)



- Red (0%)
- Yellow (33%)
- Blue (70%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (38%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 33.950, 216.526 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 60, 33.950, 216.526 by changing the saturation by 10% instead.


 60, 33.950,
216.526


 60, 33.950,
216.526


 100, 33.950,
216.526


 50, 33.950,
216.526


 80, 33.950,
216.526

 40, 33.950,
216.526

 90, 33.950,
216.526


 30, 33.950,
216.526

 20, 33.950,
216.526

 10, 33.950,
216.526

 0, 33.950, 216.526

 60, 33.950,

 60, 33.950,

216.526

■ 60, 33.966,
216.612

216.526

■ 61, 33.520,
214.672

■ 62, 32.510,
213.139

■ 63, 30.747,
211.952

■ 64, 28.202,
211.070

■ 65, 24.899,
210.447

■ 66, 20.901,
210.041

■ 68, 16.289,
209.817

■ 69, 11.160,
209.744

Harmonies

Complementary

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



60, 33.950, 216.526



38, 78.159, 41.306

Rectangle

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



60, 33.950, 216.526



60, 33.950, 266.526



60, 33.950, 36.526



60, 33.950, 86.526

Sweetspot

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



60, 33.949, 216.525



86, 20.338, 209.832



64, 89.748, 136.964



45, 13.752, 209.912



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



60, 33.949, 216.525



76, 41.171, 217.000



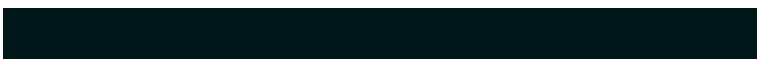
34, 66.561, 292.159



37, 3.322, 209.822



52, 30.258, 216.331



6, 7.906, 215.292

Inverse Universe

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



41, 81.166, 333.231



54, 98.427, 333.351



52, 63.358, 69.582



35, 6.250, 328.153



35, 72.375, 333.186



2, 14.499, 329.331

Previews

White Background



This preview shows how the CIE LCh color 60, 33.950, 216.526 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 60, 33.950, 216.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

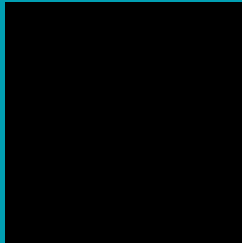
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 33.950, 216.526

Background



This preview shows how black text looks on a background with the CIELCh color 60, 33.950, 216.526.



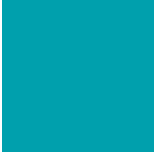
This preview shows how white text looks on a background with the CIELCh color 60, 33.950, 216.526.

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



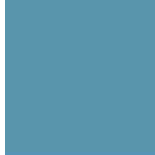


Tritanopia
60, 34.118, 209.255

Trichromacy



Original Color
60, 33.916, 216.549



Protanomaly
59, 22.345, 234.098



Deuteranomaly
59, 25.850, 247.049



Tritanomaly
60, 34.065, 211.296

Monochromacy



Original Color
60, 33.916, 216.549



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 19.321, 211.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 33.950, 216.526 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(1, 159, 179)` looks like.

```
.text, #text, p{  
    color:rgb(1, 159, 179)  
}
```

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(1, 159, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 159, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 33.950, 216.526 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(1, 159, 179) }
```

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

```
.border{ border-color:rgb(1, 159, 179) }
```

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

Here you see how a box with a 4 pixel rgb(1, 159, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 159, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 159, 179);  
box-shadow:4px 4px 4px 4px rgb(1, 159,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 33.950, 216.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 159, 179) }
```

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

```
.background{ background-color: rgb(1, 159,  
179) }
```

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