

Converting Colors

CIELCh(60, 33.947, 215.908)

Have a look what the booklet for
CIELCh(60, 33.947, 215.908)
contains.

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Color

CIELCh(60, 33.916, 216.549)

Conversions

Conversions Part 1

Format	Color
Hex	029FB3
RGB	2, 159, 179
RGB Percent	1%, 62%, 70%
CMY	0.9931, 0.3758, 0.2974
CMYK	0.99, 0.11, 0.00, 0.30
HSL	187°, 98%, 35%
HSV	187°, 99%, 70%
XYZ	20.6000, 28.1233, 47.0760
YIQ	114.3370, -99.9920, -27.0640

Conversions

Conversions Part 2

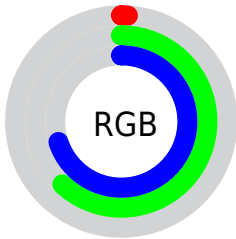
Format	Color
RYB	2, 85, 179
Decimal	171955
CIELab	60.00, -27.25, -20.20
CIELCh	60, 33.916, 216.549
Yxy	28.1233, 0.2150, 0.2936
Android (android.graphics.Color)	4278362035 (0xFF029FB3)
YUV	114.3370, 31.8789, -98.5195
Hunter-Lab	53.0314, -23.4669, -15.5097

Details

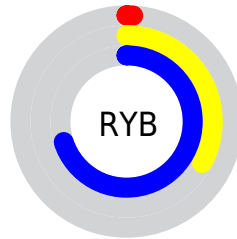
The CIELCh color **60, 33.916, 216.549** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 77.807, 41.198**, and the grayscale version is **48, 0.006, 296.813**.

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, 33.952, 216.734**, and if you desaturate by 10%, it is **61, 33.470, 214.693**.

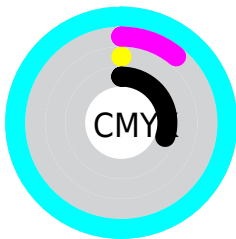
Distribution



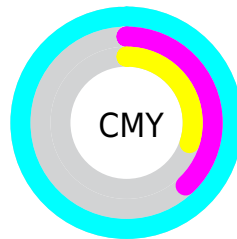
- Red (1%)
- Green (62%)
- Blue (70%)



- Red (1%)
- Yellow (33%)
- Blue (70%)



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (30%)





- Cyan (99%)
- Magenta (38%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 33.916, 216.549 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, 33.916, 216.549 by changing the saturation by 10% instead.


 60, 33.916,
216.549


 60, 33.916,
216.549


 100, 33.916,
216.549


 50, 33.916,
216.549


 80, 33.916,
216.549

 40, 33.916,
216.549

 90, 33.916,
216.549

 30, 33.916,
216.549

 20, 33.916,
216.549

 10, 33.916,
216.549

 0, 33.916, 216.549

 60, 33.916,

 60, 33.916,

216.549

216.549

■ 60, 33.952,
216.734

■ 61, 33.470,
214.693

■ 62, 32.423,
213.168

■ 63, 30.619,
211.990

■ 64, 28.035,
211.115

■ 65, 24.697,
210.498

■ 66, 20.667,
210.099

■ 68, 16.029,
209.879

■ 70, 10.879,
209.810

Harmonies

Complementary

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



60, 33.916, 216.549



38, 77.807, 41.198

Rectangle

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



60, 33.916, 216.549



60, 33.916, 266.549



60, 33.916, 36.549



60, 33.916, 86.549

Sweetspot

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



60, 33.915, 216.548



85, 20.328, 209.901



64, 89.587, 137.001



45, 13.745, 209.983



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, 33.915, 216.548



76, 41.156, 217.123



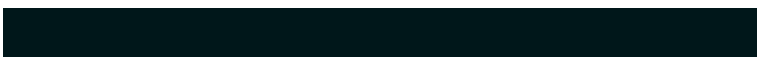
34, 66.181, 291.973



37, 3.320, 209.885



52, 30.247, 216.450



6, 7.901, 215.384

Inverse Universe

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



41, 81.055, 333.233



54, 98.381, 333.381



52, 63.164, 69.704



35, 6.248, 328.171



35, 72.342, 333.215



2, 14.491, 329.358

Previews

White Background



This preview shows how the CIELCh color 60, 33.916, 216.549 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, 33.916, 216.549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

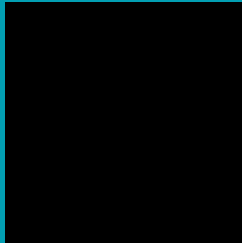
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 33.916, 216.549

Background



This preview shows how black text looks on a background with the CIELCh color 60, 33.916, 216.549.

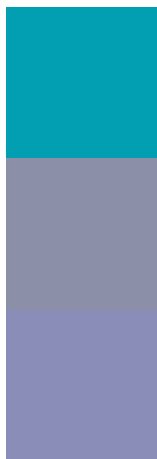


This preview shows how white text looks on a background with the CIELCh color 60, 33.916, 216.549.

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

60, 33.882, 216.573

Protanopia

60, 14.178, 285.954

Deuteranopia

60, 23.775, 289.534



Tritanopia
60, 34.118, 209.255

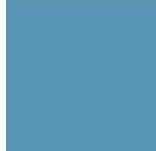
Trichromacy



Original Color
60, 33.882, 216.573



Protanomaly
59, 22.345, 234.098



Deuteranomaly
59, 25.694, 247.456



Tritanomaly
60, 34.029, 211.314

Monochromacy



Original Color
60, 33.882, 216.573



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, 33.916, 216.549 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(2, 159, 179)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 159, 179) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 60, 33.916, 216.549 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(2, 159, 179) }
```

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

```
.border{ border-color:rgb(2, 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(2, 159, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 159, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 159, 179);  
box-shadow:4px 4px 4px 4px rgb(2, 159,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 33.916, 216.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 159, 179) }
```

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

```
.background{ background-color: rgb(2, 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](#).

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