

Converting Colors

CIELCh(55, 33.614, 235.501)

Have a look what the booklet for
CIELCh(55, 33.614, 235.501)
contains.

CIELCh(55, 33.669, 235.753)	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(55, 33.669, 235.753)

Conversions

Conversions Part 1

Format	Color
Hex	018FB3
RGB	1, 143, 179
RGB Percent	0%, 56%, 70%
CMY	0.9948, 0.4390, 0.2978
CMYK	0.99, 0.20, 0.00, 0.30
HSL	192°, 99%, 35%
HSV	192°, 99%, 70%
XYZ	17.9915, 22.9298, 46.1607
YIQ	104.6460, -96.1880, -18.9080

Conversions

Conversions Part 2

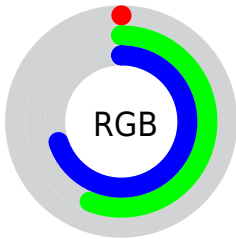
Format	Color
R_{YB}	1, 80, 179
Decimal	102323
CIE _{Lab}	55.00, -18.95, -27.83
CIE _{LCh}	55, 33.669, 235.753
Yxy	22.9298, 0.2066, 0.2633
Android (android.graphics.Color)	4278292403 (0xFF018FB3)
YUV	104.6460, 36.6565, -90.8975
Hunter-Lab	47.8851, -16.7324, -23.6353

Details

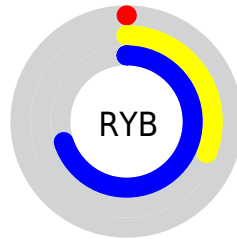
The CIELCh color **55, 33.669, 235.753** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **39, 75.458, 43.550**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 33.669, 235.733**, and **37, 27.244, 246.981** is the 20% darker color. If you saturate the color by 10%, you get **55, 33.733, 236.020**, and if you desaturate by 10%, it is **56, 32.778, 232.135**.

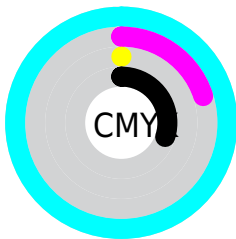
Distribution



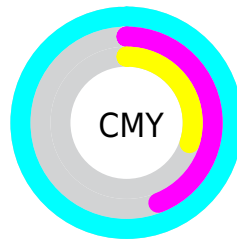
- Red (0%)
- Green (56%)
- Blue (70%)



- Red (0%)
- Yellow (31%)
- Blue (70%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (30%)





- Cyan (99%)
- Magenta (44%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 33.669, 235.753 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 55, 33.669, 235.753 by changing the saturation by 10% instead.


 55, 33.669,
235.753


 55, 33.669,
235.753


 100, 33.669,
235.753


 45, 33.669,
235.753


 75, 33.669,
235.753

 35, 33.669,
235.753

 85, 33.669,
235.753

 25, 33.669,
235.753

 95, 33.669,
235.753

 15, 33.669,
235.753

 5, 33.669, 235.753

 0, 33.669, 235.753

■ 55, 33.669,
235.753

■ 55, 33.669,
235.753

■ 55, 33.733,
236.020

■ 56, 32.778,
232.135

■ 58, 31.443,
229.055

■ 59, 29.485,
226.575

■ 61, 26.858,
224.622

■ 63, 23.574,
223.114

■ 64, 19.682,
221.972

■ 66, 15.256,
221.127

■ 69, 10.377,

220.523

■ 71, 5.129, 220.139

Harmonies

Complementary

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



55, 33.669, 235.753



39, 75.458, 43.550

Rectangle

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



55, 33.669, 235.753



55, 33.669, 285.753



55, 33.669, 55.753



55, 33.669, 105.753

Sweetspot

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



55, 33.668, 235.753



84, 19.220, 221.217



64, 86.023, 138.696



44, 13.011, 221.551



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



55, 33.668, 235.753



70, 41.030, 236.762



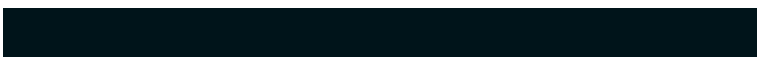
29, 78.157, 298.058



37, 3.126, 220.140



47, 30.001, 235.482



5, 7.503, 229.641

Inverse Universe

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



41, 75.713, 338.205



53, 91.775, 338.493



57, 63.342, 78.996



35, 5.865, 331.161



34, 67.606, 338.133



2, 13.294, 333.701

Previews

White Background



This preview shows how the CIE LCh color 55, 33.669, 235.753 looks on a white background.

Color Contrast Check

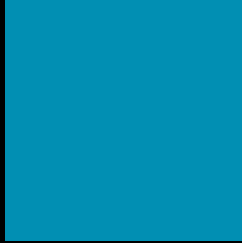
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 33.669, 235.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

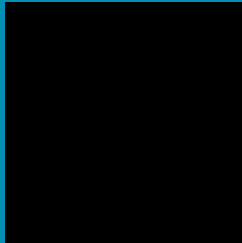
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 33.669, 235.753

Background



This preview shows how black text looks on a background with the CIELCh color 55, 33.669, 235.753.

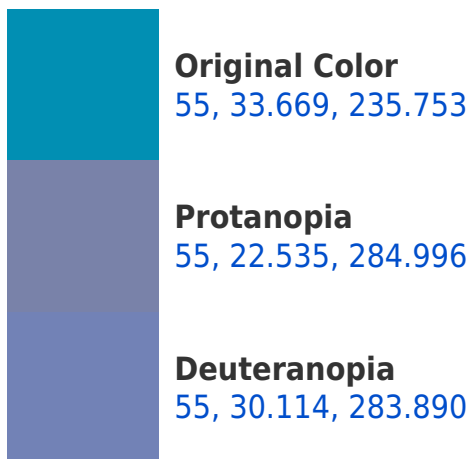


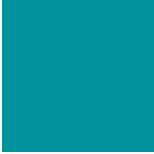
This preview shows how white text looks on a background with the CIELCh color 55, 33.669, 235.753.

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
55, 31.944, 208.199

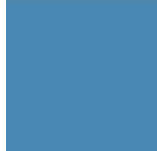
Trichromacy



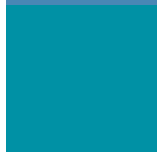
Original Color
55, 33.669, 235.753



Protanomaly
54, 26.998, 253.276



Deuteranomaly
54, 30.799, 258.676



Tritanomaly
55, 31.803, 218.329

Monochromacy



Original Color
55, 33.669, 235.753



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 18.499, 222.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 33.669, 235.753 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, 143, 179)` looks like.

```
.text, #text, p{  
    color:rgb(1, 143, 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, 143, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 143, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 33.669, 235.753 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, 143, 179) }
```

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

```
.border{ border-color:rgb(1, 143, 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, 143, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 143, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 143, 179);  
box-shadow:4px 4px 4px 4px rgb(1, 143,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 33.669, 235.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 143, 179) }
```

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

```
.background{ background-color: rgb(1, 143,  
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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