

Converting Colors

CIELCh(53, 34.266, 241.670)

Have a look what the booklet for
CIELCh(53, 34.266, 241.670)
contains.

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Color

CIELCh(53, 34.239, 241.983)

Conversions

Conversions Part 1

Format	Color
Hex	0089B2
RGB	0, 137, 178
RGB Percent	0%, 54%, 70%
CMY	1.0000, 0.4634, 0.3026
CMYK	1.00, 0.23, 0.00, 0.30
HSL	194°, 100%, 35%
HSV	194°, 100%, 70%
XYZ	16.9309, 21.0462, 45.1967
YIQ	100.7110, -94.8130, -16.2930

Conversions

Conversions Part 2

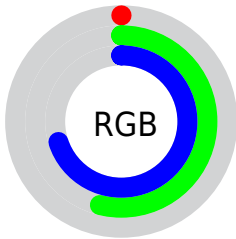
Format	Color
RYB	0, 77, 178
Decimal	35250
CIELab	53.00, -16.08, -30.23
CIELCh	53, 34.239, 241.983
Yxy	21.0462, 0.2036, 0.2530
Android (android.graphics.Color)	4278225330 (0xFF0089B2)
YUV	100.7110, 38.1035, -88.3235
Hunter-Lab	45.8761, -14.4067, -26.2986

Details

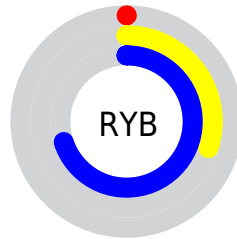
The CIELCh color **53, 34.239, 241.983** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **40, 74.632, 44.595**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 34.315, 242.592**, and **35, 28.612, 255.003** is the 20% darker color. If you saturate the color by 10%, you get **53, 34.218, 242.017**, and if you desaturate by 10%, it is **54, 33.064, 237.951**.

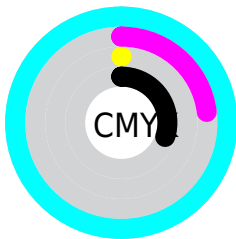
Distribution



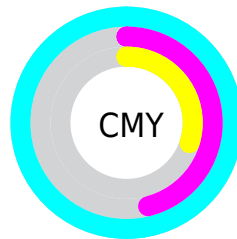
- Red (0%)
- Green (54%)
- Blue (70%)



- Red (0%)
- Yellow (30%)
- Blue (70%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (46%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 34.239, 241.983 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 53, 34.239, 241.983 by changing the saturation by 10% instead.


 53, 34.239,
241.983


 53, 34.239,
241.983


 100, 34.239,
241.983


 43, 34.239,
241.983


 73, 34.239,
241.983

 33, 34.239,
241.983

 83, 34.239,
241.983

 23, 34.239,
241.983

 93, 34.239,
241.983

 13, 34.239,
241.983

 3, 34.239, 241.983

 0, 34.239, 241.983

■ 53, 34.239,
241.983

■ 53, 34.239,
241.983

■ 53, 34.218,
242.017

■ 54, 33.064,
237.951

■ 56, 31.564,
234.407

■ 58, 29.511,
231.513

■ 59, 26.845,
229.204

■ 61, 23.566,
227.394

■ 63, 19.715,
225.996

■ 65, 15.357,
224.933

■ 68, 10.569,

224.142

■ 70, 5.427, 223.590

Harmonies

Complementary

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



53, 34.239, 241.983



40, 74.632, 44.595

Rectangle

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



53, 34.239, 241.983



53, 34.239, 291.983



53, 34.239, 61.983



53, 34.239, 111.983

Sweetspot

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



53, 34.218, 242.017



83, 19.032, 224.981



63, 85.115, 138.979



43, 12.893, 225.394



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



53, 34.218, 242.017



68, 41.908, 242.866



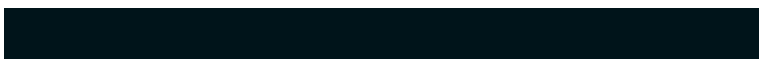
28, 80.232, 299.061



37, 3.088, 223.562



46, 30.557, 241.442



5, 7.479, 234.015

Inverse Universe

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



40, 73.878, 340.032



52, 89.900, 340.291



57, 63.417, 80.412



35, 5.749, 332.175



34, 66.254, 339.858



2, 12.959, 335.124

Previews

White Background



This preview shows how the CIE LCh color 53, 34.239, 241.983 looks on a white background.

Color Contrast Check

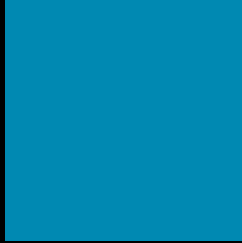
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 34.239, 241.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

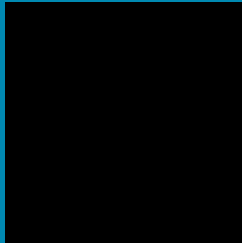
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 34.239, 241.983

Background



This preview shows how black text looks on a background with the CIELCh color 53, 34.239, 241.983.

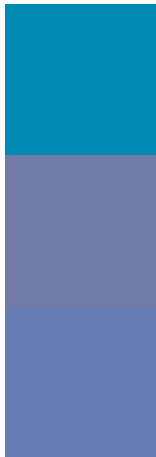


This preview shows how white text looks on a background with the CIELCh color 53, 34.239, 241.983.

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

53, 34.239, 241.983

Protanopia

53, 25.601, 285.764

Deuteranopia

53, 32.723, 283.111



Tritanopia
53, 30.963, 208.673

Trichromacy



Original Color
53, 34.239, 241.983

Protanomaly
52, 28.920, 259.038

Deuteranomaly
52, 33.109, 262.956

Tritanomaly
53, 31.024, 221.496

Monochromacy



Original Color
53, 34.239, 241.983

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 18.355, 227.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 34.239, 241.983 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, 137, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 178)  
}
```

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, 137, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 34.239, 241.983 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, 137, 178) }
```

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

```
.border{ border-color:rgb(0, 137, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 34.239, 241.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 178) }
```

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

```
.background{ background-color: rgb(0, 137,  
178) }
```

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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