

Converting Colors

CIELCh(53, 33.968, 241.038)

Have a look what the booklet for
CIELCh(53, 33.968, 241.038)
contains.

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Color

CIELCh(53, 33.968, 241.038)

Conversions

Conversions Part 1

Format	Color
Hex	0089B1
RGB	0, 137, 177
RGB Percent	0%, 54%, 69%
CMY	1.0000, 0.4630, 0.3061
CMYK	1.00, 0.23, 0.00, 0.31
HSL	194°, 100%, 35%
HSV	194°, 100%, 69%
XYZ	16.8650, 21.0462, 44.7379
YIQ	100.5970, -94.4920, -16.6040

Conversions

Conversions Part 2

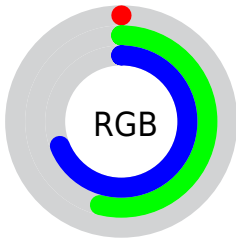
Format	Color
RYB	0, 77, 177
Decimal	35249
CIELab	53.00, -16.45, -29.72
CIELCh	53, 33.968, 241.038
Yxy	21.0462, 0.2041, 0.2546
Android (android.graphics.Color)	4278225329 (0xFF0089B1)
YUV	100.5970, 37.6667, -88.2236
Hunter-Lab	45.8761, -14.6628, -25.7058

Details

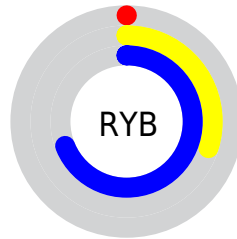
The CIELCh color **53, 33.968, 241.038** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **39, 74.501, 44.445**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 34.029, 241.764**, and **35, 28.205, 253.923** is the 20% darker color. If you saturate the color by 10%, you get **53, 33.962, 241.047**, and if you desaturate by 10%, it is **54, 32.858, 237.051**.

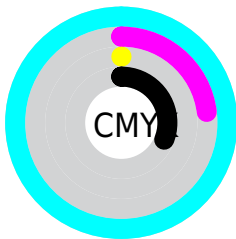
Distribution



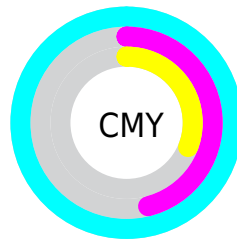
- Red (0%)
- Green (54%)
- Blue (69%)



- Red (0%)
- Yellow (30%)
- Blue (69%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (46%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 33.968, 241.038 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, 33.968, 241.038 by changing the saturation by 10% instead.


 53, 33.968,
241.038


 53, 33.968,
241.038


 100, 33.968,
241.038


 43, 33.968,
241.038


 73, 33.968,
241.038

 33, 33.968,
241.038

 83, 33.968,
241.038

 23, 33.968,
241.038

 93, 33.968,
241.038

 13, 33.968,
241.038

 3, 33.968, 241.038

 0, 33.968, 241.038

■ 53, 33.968,
241.038

■ 53, 33.968,
241.038

■ 53, 33.962,
241.047

■ 54, 32.858,
237.051

■ 56, 31.400,
233.574

■ 57, 29.380,
230.740

■ 59, 26.742,
228.483

■ 61, 23.487,
226.717

■ 63, 19.656,
225.357

■ 65, 15.316,
224.326

■ 67, 10.543,

223.563

■ 70, 5.414, 223.035

Harmonies

Complementary

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



53, 33.968, 241.038



39, 74.501, 44.445

Rectangle

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



53, 33.968, 241.038



53, 33.968, 291.038



53, 33.968, 61.038



53, 33.968, 111.038

Sweetspot

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



53, 33.962, 241.047



83, 18.888, 224.372



63, 84.789, 138.985



43, 12.681, 224.766



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



53, 33.962, 241.047



68, 41.387, 241.871



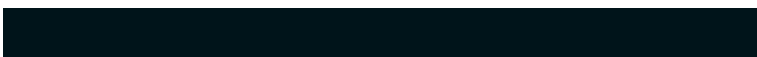
28, 79.908, 299.049



37, 3.093, 223.010



46, 30.448, 240.499



5, 7.480, 233.323

Inverse Universe

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



40, 73.848, 339.740



52, 89.453, 339.988



57, 63.185, 80.422



35, 5.767, 332.010



34, 66.466, 339.576



2, 13.011, 334.895

Previews

White Background



This preview shows how the CIE LCh color 53, 33.968, 241.038 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 CIE LCh color 53, 33.968, 241.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

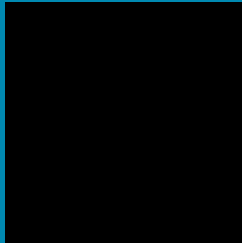
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 33.968, 241.038

Background



This preview shows how black text looks on a background with the CIELCh color 53, 33.968, 241.038.

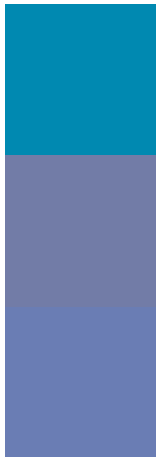


This preview shows how white text looks on a background with the CIELCh color 53, 33.968, 241.038.

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, 33.968, 241.038

Protanopia

53, 25.032, 285.498

Deuteranopia

53, 32.120, 283.326



Tritanopia
53, 30.963, 208.673

Trichromacy



Original Color
53, 33.968, 241.038

Protanomaly
52, 28.483, 258.205

Deuteranomaly
52, 32.652, 262.262

Tritanomaly
53, 30.947, 220.351

Monochromacy



Original Color
53, 33.968, 241.038

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, 33.968, 241.038 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 33.968, 241.038 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, 177) }
```

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

```
.border{ border-color:rgb(0, 137, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 33.968, 241.038 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, 177) }
```

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

```
.background{ background-color: rgb(0, 137,  
177) }
```

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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