

Converting Colors

CIELCh(53, 32.579, 233.570)

Have a look what the booklet for
CIELCh(53, 32.579, 233.570)
contains.

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Color

CIELCh(53, 32.451, 233.796)

Conversions

Conversions Part 1

Format	Color
Hex	008AAB
RGB	0, 138, 171
RGB Percent	0%, 54%, 67%
CMY	1.0000, 0.4596, 0.3302
CMYK	1.00, 0.19, 0.00, 0.33
HSL	192°, 100%, 33%
HSV	192°, 100%, 67%
XYZ	16.3801, 21.0462, 41.6226
YIQ	100.5000, -92.8410, -18.9930

Conversions

Conversions Part 2

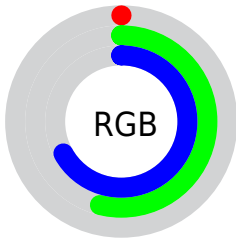
Format	Color
RYB	0, 76, 171
Decimal	35499
CIELab	53.00, -19.17, -26.19
CIElCh	53, 32.451, 233.796
Yxy	21.0462, 0.2072, 0.2662
Android (android.graphics.Color)	4278225579 (0xFF008AAB)
YUV	100.5000, 34.7565, -88.1385
Hunter-Lab	45.8761, -16.5497, -21.6795

Details

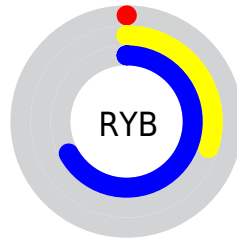
The CIELCh color **53, 32.451, 233.796** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **37, 73.558, 43.435**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 32.412, 232.787**, and **35, 26.066, 246.396** is the 20% darker color. If you saturate the color by 10%, you get **53, 32.424, 233.832**, and if you desaturate by 10%, it is **54, 31.631, 230.407**.

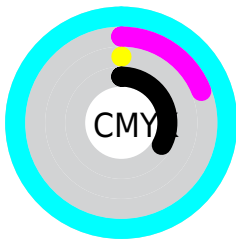
Distribution



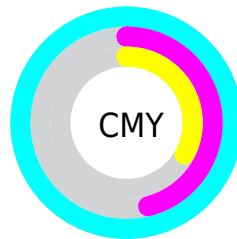
- Red (0%)
- Green (54%)
- Blue (67%)



- Red (0%)
- Yellow (30%)
- Blue (67%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (46%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 32.451, 233.796 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, 32.451, 233.796 by changing the saturation by 10% instead.


 53, 32.451,
233.796


 53, 32.451,
233.796


 100, 32.451,
233.796


 43, 32.451,
233.796


 73, 32.451,
233.796

 33, 32.451,
233.796

 83, 32.451,
233.796

 23, 32.451,
233.796

 93, 32.451,
233.796

 13, 32.451,
233.796

 3, 32.451, 233.796

 0, 32.451, 233.796

■ 53, 32.451,
233.796

■ 53, 32.451,
233.796

■ 53, 32.424,
233.832

■ 54, 31.631,
230.407

■ 55, 30.428,
227.463

■ 57, 28.612,
225.097

■ 58, 26.142,
223.237

■ 60, 23.026,
221.806

■ 62, 19.314,
220.728

■ 64, 15.076,
219.936

■ 66, 10.393,

219.378

■ 68, 5.343, 219.029

Harmonies

Complementary

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



53, 32.451, 233.796



37, 73.558, 43.435

Rectangle

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



53, 32.451, 233.796



53, 32.451, 283.796



53, 32.451, 53.796



53, 32.451, 103.796

Sweetspot

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



53, 32.424, 233.832



81, 18.615, 219.972



61, 83.918, 138.317



42, 12.603, 220.271



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



53, 32.424, 233.832



68, 39.466, 234.578



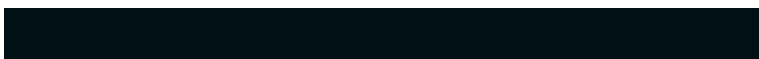
28, 73.900, 297.296



35, 2.993, 219.013



46, 29.145, 233.344



4, 5.444, 225.801

Inverse Universe

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



39, 73.722, 337.677



50, 89.380, 337.882



53, 61.220, 77.386



33, 5.623, 330.825



33, 66.432, 337.543



2, 9.769, 332.451

Previews

White Background



This preview shows how the CIE LCh color 53, 32.451, 233.796 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, 32.451, 233.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

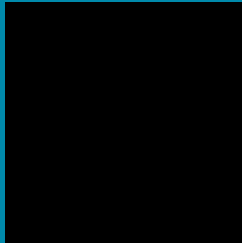
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 32.451, 233.796

Background



This preview shows how black text looks on a background with the CIELCh color 53, 32.451, 233.796.

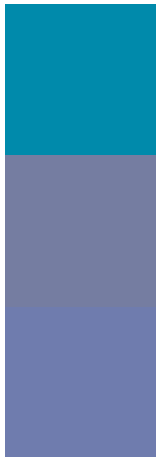


This preview shows how white text looks on a background with the CIELCh color 53, 32.451, 233.796.

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, 32.451, 233.796

Protanopia

53, 20.945, 285.116

Deuteranopia

53, 29.109, 285.345



Tritanopia
53, 30.963, 208.673

Trichromacy



Original Color
53, 32.451, 233.796

Protanomaly
52, 25.581, 251.559

Deuteranomaly
52, 29.577, 259.100

Tritanomaly
53, 30.827, 218.046

Monochromacy



Original Color
53, 32.451, 233.796

Achromatopsia
42, 0.006, 296.813

Achromatomaly
45, 17.856, 221.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 32.451, 233.796 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, 138, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 171)  
}
```

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, 138, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 32.451, 233.796 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, 138, 171) }
```

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

```
.border{ border-color:rgb(0, 138, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 32.451, 233.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 171) }
```

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

```
.background{ background-color: rgb(0, 138,  
171) }
```

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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