

Converting Colors

CIELCh(53, 32.341, 231.966)

Have a look what the booklet for
CIELCh(53, 32.341, 231.966)
contains.

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Color

CIELCh(53, 32.256, 232.745)

Conversions

Conversions Part 1

Format	Color
Hex	008AAA
RGB	0, 138, 170
RGB Percent	0%, 54%, 67%
CMY	1.0000, 0.4592, 0.3337
CMYK	1.00, 0.19, 0.00, 0.33
HSL	191°, 100%, 33%
HSV	191°, 100%, 67%
XYZ	16.3168, 21.0462, 41.1843
YIQ	100.3860, -92.5200, -19.3040

Conversions

Conversions Part 2

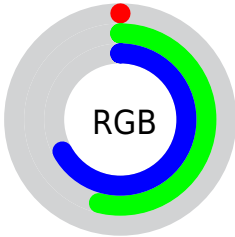
Format	Color
RYB	0, 76, 170
Decimal	35498
CIELab	53.00, -19.53, -25.67
CIELCh	53, 32.256, 232.745
Yxy	21.0462, 0.2077, 0.2679
Android (android.graphics.Color)	4278225578 (0xFF008AAA)
YUV	100.3860, 34.3197, -88.0385
Hunter-Lab	45.8761, -16.7961, -21.1131

Details

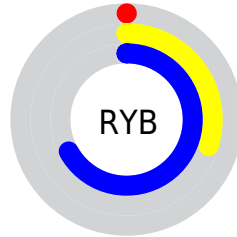
The CIELCh color **53, 32.256, 232.745** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **37, 73.410, 43.298**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 32.207, 231.841**, and **35, 25.734, 245.097** is the 20% darker color. If you saturate the color by 10%, you get **53, 32.243, 232.761**, and if you desaturate by 10%, it is **54, 31.487, 229.428**.

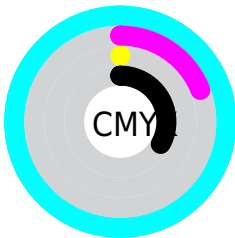
Distribution



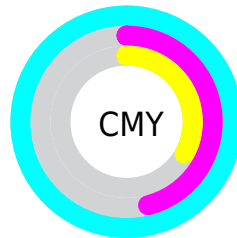
- Red (0%)
- Green (54%)
- Blue (67%)



- 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, 32.256, 232.745 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, 32.256, 232.745 by changing the saturation by 10% instead.


 53, 32.256,
232.745


 53, 32.256,
232.745


 100, 32.256,
232.745


 43, 32.256,
232.745


 73, 32.256,
232.745

 33, 32.256,
232.745

 83, 32.256,
232.745

 23, 32.256,
232.745

 93, 32.256,
232.745

 13, 32.256,
232.745

 3, 32.256, 232.745

 0, 32.256, 232.745

■ 53, 32.256,
232.745

■ 53, 32.256,
232.745

■ 53, 32.243,
232.761

■ 54, 31.487,
229.428

■ 55, 30.314,
226.568

■ 57, 28.523,
224.273

■ 58, 26.071,
222.474

■ 60, 22.972,
221.093

■ 62, 19.274,
220.056

■ 63, 15.048,
219.300

■ 65, 10.375,

218.772

■ 67, 5.334, 218.449

Harmonies

Complementary

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



53, 32.256, 232.745



37, 73.410, 43.298

Rectangle

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



53, 32.256, 232.745



53, 32.256, 282.745



53, 32.256, 52.745



53, 32.256, 102.745

Sweetspot

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



53, 32.243, 232.761



81, 18.658, 219.335



61, 83.582, 138.323



42, 12.631, 219.620



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, 32.243, 232.761



68, 39.389, 233.505



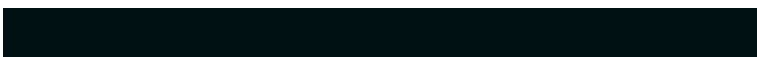
28, 73.585, 297.282



35, 3.001, 218.435



46, 29.100, 232.301



4, 5.454, 225.094

Inverse Universe

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



38, 73.708, 337.385



50, 89.709, 337.587



53, 60.985, 77.398



33, 5.642, 330.656



33, 66.670, 337.260



2, 9.810, 332.232

Previews

White Background



This preview shows how the CIE LCh color 53, 32.256, 232.745 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, 32.256, 232.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

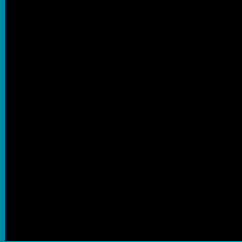
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 32.256, 232.745

Background



This preview shows how black text looks on a background with the CIELCh color 53, 32.256, 232.745.

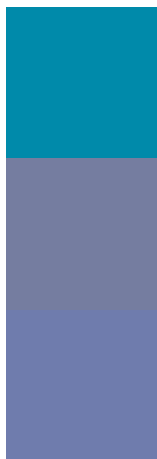


This preview shows how white text looks on a background with the CIELCh color 53, 32.256, 232.745.

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, 32.256, 232.745

Protanopia

53, 20.376, 284.806

Deuteranopia

53, 28.543, 285.081



Tritanopia
53, 30.963, 208.673

Trichromacy



Original Color
53, 32.256, 232.745

Protanomaly
52, 25.195, 250.509

Deuteranomaly
52, 29.142, 258.280

Tritanomaly
53, 30.827, 218.046

Monochromacy



Original Color
53, 32.256, 232.745

Achromatopsia
42, 0.006, 296.813

Achromatomaly
45, 17.727, 219.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 32.256, 232.745 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 32.256, 232.745 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, 170) }
```

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

```
.border{ border-color:rgb(0, 138, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 32.256, 232.745 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, 170) }
```

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

```
.background{ background-color: rgb(0, 138,  
170) }
```

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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