

Converting Colors

CIELCh(50, 67.560, 210.495)

Have a look what the booklet for
CIELCh(50, 67.560, 210.495)
contains.

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Color

CIELCh(55, 33.040, 231.452)

Conversions

Conversions Part 1

Format	Color
Hex	0090B0
RGB	0, 144, 176
RGB Percent	0%, 56%, 69%
CMY	1.0000, 0.4369, 0.3115
CMYK	1.00, 0.18, 0.00, 0.31
HSL	191°, 100%, 34%
HSV	191°, 100%, 69%
XYZ	17.6846, 22.9298, 44.3495
YIQ	104.5920, -96.0960, -20.5760

Conversions

Conversions Part 2

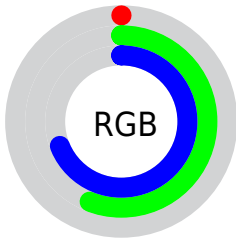
Format	Color
RYB	0, 79, 176
Decimal	37040
CIELab	55.00, -20.59, -25.84
CIELCh	55, 33.040, 231.452
Yxy	22.9298, 0.2081, 0.2699
Android (android.graphics.Color)	4278227120 (0xFF0090B0)
YUV	104.5920, 35.2041, -91.7272
Hunter-Lab	47.8851, -17.8765, -21.3927

Details

The CIELCh color **55, 33.040, 231.452** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **38, 75.464, 43.063**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 33.126, 231.678**, and **36, 26.277, 243.222** is the 20% darker color. If you saturate the color by 10%, you get **55, 32.984, 231.521**, and if you desaturate by 10%, it is **56, 32.269, 228.271**.

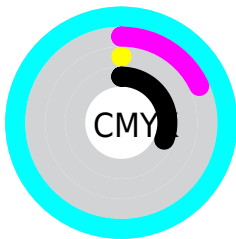
Distribution



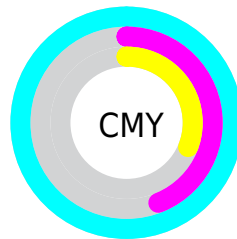
- Red (0%)
- Green (56%)
- Blue (69%)



- Red (0%)
- Yellow (31%)
- Blue (69%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 33.040, 231.452 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, 33.040, 231.452 by changing the saturation by 10% instead.

■ 55, 33.040,
231.452

■ 55, 33.040,
231.452

■ 100, 33.040,
231.452

■ 45, 33.040,
231.452

■ 75, 33.040,
231.452

■ 35, 33.040,
231.452

■ 85, 33.040,
231.452

■ 25, 33.040,
231.452

■ 95, 33.040,
231.452

■ 15, 33.040,
231.452

■ 5, 33.040, 231.452

■ 0, 33.040, 231.452

■ 55, 33.040,
231.452

■ 55, 33.040,
231.452

■ 55, 32.984,
231.521

■ 56, 32.269,
228.271

■ 57, 31.109,
225.496

■ 59, 29.303,
223.274

■ 60, 26.809,
221.538

■ 62, 23.639,
220.211

■ 64, 19.845,
219.220

■ 65, 15.501,
218.504

■ 67, 10.691,

218.011

■ 69, 5.498, 217.719

Harmonies

Complementary

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



55, 33.040, 231.452



38, 75.464, 43.063

Rectangle

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



55, 33.040, 231.452



55, 33.040, 281.452



55, 33.040, 51.452



55, 33.040, 101.452

Sweetspot

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



55, 32.984, 231.521



83, 19.234, 218.536



62, 86.373, 137.965



43, 12.901, 218.806



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



55, 32.984, 231.521



71, 40.330, 232.224



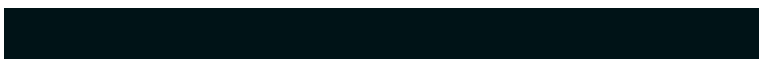
30, 73.649, 296.463



36, 3.087, 217.707



47, 29.422, 231.037



5, 6.468, 225.457

Inverse Universe

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



40, 75.844, 337.051



52, 92.434, 337.240



54, 62.390, 75.759



34, 5.809, 330.446



34, 67.803, 336.921



2, 11.621, 332.345

Previews

White Background



This preview shows how the CIELCh color 55, 33.040, 231.452 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, 33.040, 231.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

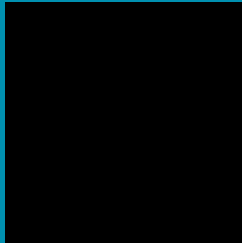
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 33.040, 231.452

Background



This preview shows how black text looks on a background with the CIELCh color 55, 33.040, 231.452.

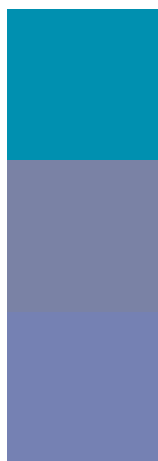


This preview shows how white text looks on a background with the CIELCh color 55, 33.040, 231.452.

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

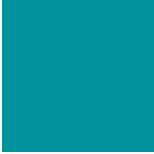
55, 33.040, 231.452

Protanopia

55, 20.237, 284.686

Deuteranopia

55, 28.880, 285.783



Tritanopia
55, 31.944, 208.199

Trichromacy



Original Color
55, 33.040, 231.452

Protanomaly
54, 25.310, 249.670

Deuteranomaly
54, 29.735, 257.884

Tritanomaly
55, 31.757, 217.216

Monochromacy



Original Color
55, 33.040, 231.452

Achromatopsia
44, 0.006, 296.813

Achromatomaly
47, 18.356, 220.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 33.040, 231.452 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, 144, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 176)  
}
```

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, 144, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 33.040, 231.452 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, 144, 176) }
```

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

```
.border{ border-color:rgb(0, 144, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 33.040, 231.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 176) }
```

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

```
.background{ background-color: rgb(0, 144,  
176) }
```

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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