

Converting Colors

CIELCh(50, 51.808, 189.837)

Have a look what the booklet for
CIELCh(50, 51.808, 189.837)
contains.

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Color

CIELCh(52, 33.409, 189.162)

Conversions

Conversions Part 1

Format	Color
Hex	008B84
RGB	0, 139, 132
RGB Percent	0%, 55%, 52%
CMY	1.0000, 0.4545, 0.4819
CMYK	1.00, 0.00, 0.05, 0.45
HSL	177°, 100%, 27%
HSV	177°, 100%, 55%
XYZ	13.3830, 20.1443, 25.0569
YIQ	96.6410, -80.5970, -31.6450

Conversions

Conversions Part 2

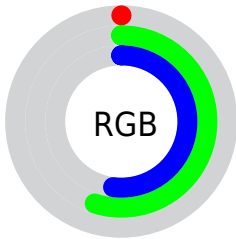
Format	Color
RYB	0, 71, 139
Decimal	35716
CIELab	52.00, -32.98, -5.32
CIELCh	52, 33.409, 189.162
Yxy	20.1443, 0.2284, 0.3439
Android (android.graphics.Color)	4278225796 (0xFF008B84)
YUV	96.6410, 17.4320, -84.7542
Hunter-Lab	44.8824, -25.3194, -1.6826

Details

The CIELCh color **52, 33.409, 189.162** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **28, 64.028, 36.979**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 33.215, 189.268**, and **33, 24.118, 188.621** is the 20% darker color. If you saturate the color by 10%, you get **52, 33.257, 189.143**, and if you desaturate by 10%, it is **52, 32.381, 189.766**.

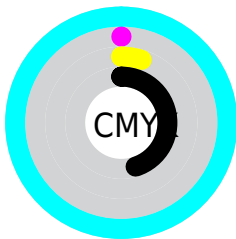
Distribution



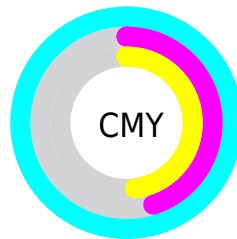
- Red (0%)
- Green (55%)
- Blue (52%)



- Red (0%)
- Yellow (28%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 33.409, 189.162 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 52, 33.409, 189.162 by changing the saturation by 10% instead.


 52, 33.409,
189.162


 52, 33.409,
189.162


 100, 33.409,
189.162


 42, 33.409,
189.162


 72, 33.409,
189.162

 32, 33.409,
189.162

 82, 33.409,
189.162

 22, 33.409,
189.162

 92, 33.409,
189.162

 12, 33.409,
189.162

 2, 33.409, 189.162

 0, 33.409, 189.162

■ 52, 33.409,
189.162

■ 52, 33.409,
189.162

■ 52, 33.257,
189.143

■ 52, 32.381,
189.766

■ 52, 31.070,
190.375

■ 53, 29.124,
190.967

■ 53, 26.525,
191.552

■ 54, 23.295,
192.141

■ 54, 19.487,
192.740

■ 55, 15.171,
193.355

■ 56, 10.428,

193.991

■ 57, 5.344, 194.666

Harmonies

Complementary

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



52, 33.409, 189.162



28, 64.028, 36.979

Rectangle

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



52, 33.409, 189.162



52, 33.409, 239.162



52, 33.409, 9.162



52, 33.409, 59.162

Sweetspot

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



52, 33.257, 189.143



70, 18.770, 193.315



50, 75.905, 135.627



37, 12.737, 193.084



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 33.257, 189.143



67, 40.406, 188.993



33, 39.377, 275.473



29, 2.996, 194.728



50, 32.116, 189.174



1, 1.419, 195.253

Inverse Universe

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



28, 64.028, 36.979



38, 78.707, 37.973



36, 55.663, 56.376



27, 3.152, 15.818



27, 61.586, 36.650



0, 1.419, 15.236

Previews

White Background



This preview shows how the CIELCh color 52, 33.409, 189.162 looks on a white background.

Color Contrast Check

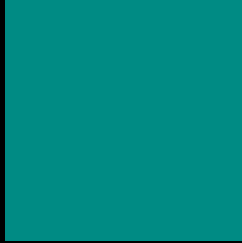
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 33.409, 189.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

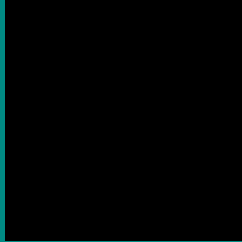
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 33.409, 189.162

Background



This preview shows how black text looks on a background with the CIELCh color 52, 33.409, 189.162.



This preview shows how white text looks on a background with the CIELCh color 52, 33.409, 189.162.

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


52, 33.245, 189.117

Protanopia

52, 1.204, 19.217

Deuteranopia

52, 10.134, 313.776



Tritanopia
52, 28.429, 209.990

Trichromacy



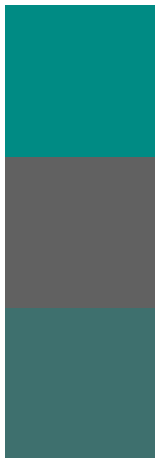
Original Color
52, 33.245, 189.117

Protanomaly
51, 17.631, 191.849

Deuteranomaly
50, 15.823, 215.266

Tritanomaly
52, 30.084, 201.064

Monochromacy



Original Color
52, 33.245, 189.117

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 17.854, 193.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 33.409, 189.162 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, 139, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 132)  
}
```

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, 139, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 33.409, 189.162 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, 139, 132) }
```

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

```
.border{ border-color:rgb(0, 139, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 33.409, 189.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 132) }
```

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

```
.background{ background-color: rgb(0, 139,  
132) }
```

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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