

Converting Colors

CIELCh(48, 71.729, 187.506)

Have a look what the booklet for
CIELCh(48, 71.729, 187.506)
contains.

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Color

CIELCh(52, 34.613, 184.376)

Conversions

Conversions Part 1

Format	Color
Hex	008B80
RGB	0, 139, 128
RGB Percent	0%, 55%, 50%
CMY	1.0000, 0.4529, 0.4999
CMYK	1.00, 0.00, 0.09, 0.45
HSL	175°, 100%, 27%
HSV	175°, 100%, 55%
XYZ	13.1483, 20.1443, 23.4497
YIQ	96.1850, -79.3130, -32.8890

Conversions

Conversions Part 2

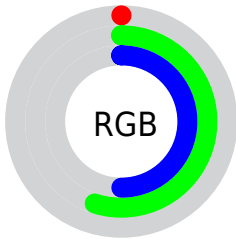
Format	Color
RYB	0, 72, 139
Decimal	35712
CIELab	52.00, -34.51, -2.64
CIELCh	52, 34.613, 184.376
Yxy	20.1443, 0.2317, 0.3550
Android (android.graphics.Color)	4278225792 (0xFF008B80)
YUV	96.1850, 15.6848, -84.3542
Hunter-Lab	44.8824, -26.2526, 0.4406

Details

The CIELCh color **52, 34.613, 184.376** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **28, 63.028, 35.463**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 33.991, 185.626**, and **33, 25.200, 182.926** is the 20% darker color. If you saturate the color by 10%, you get **52, 34.529, 184.354**, and if you desaturate by 10%, it is **52, 33.489, 185.310**.

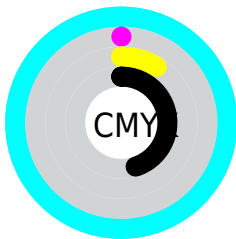
Distribution



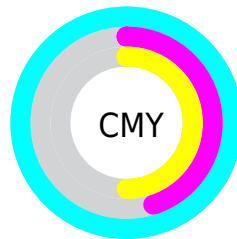
- Red (0%)
- Green (55%)
- Blue (50%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 34.613, 184.376 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, 34.613, 184.376 by changing the saturation by 10% instead.


 52, 34.613,
184.376


 52, 34.613,
184.376


 100, 34.613,
184.376


 42, 34.613,
184.376


 72, 34.613,
184.376

 32, 34.613,
184.376


 82, 34.613,
184.376

 22, 34.613,
184.376

 92, 34.613,
184.376

 12, 34.613,
184.376

 2, 34.613, 184.376

 0, 34.613, 184.376

■ 52, 34.613,
184.376

■ 52, 34.613,
184.376

■ 52, 34.529,
184.354

■ 52, 33.489,
185.310

■ 52, 32.015,
186.226

■ 53, 29.906,
187.078

■ 53, 27.150,
187.884

■ 54, 23.773,
188.657

■ 54, 19.831,
189.410

■ 55, 15.398,
190.151

■ 56, 10.559,

190.892

■ 57, 5.398, 191.653

Harmonies

Complementary

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



52, 34.613, 184.376



28, 63.028, 35.463

Rectangle

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



52, 34.613, 184.376



52, 34.613, 234.376



52, 34.613, 4.376



52, 34.613, 54.376

Sweetspot

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



52, 34.529, 184.354



70, 19.011, 190.104



50, 75.843, 135.416



36, 12.913, 189.828



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, 34.529, 184.354



66, 41.903, 184.117



34, 36.945, 271.091



29, 3.019, 191.722



50, 33.268, 184.407



1, 1.427, 192.311

Inverse Universe

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



28, 63.028, 35.463



38, 77.257, 36.474



35, 56.729, 54.042



27, 3.164, 12.936



27, 60.524, 35.141



0, 1.427, 12.295

Previews

White Background



This preview shows how the CIELCh color 52, 34.613, 184.376 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, 34.613, 184.376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

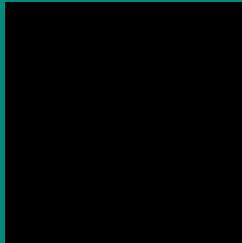
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 34.613, 184.376

Background



This preview shows how black text looks on a background with the CIELCh color 52, 34.613, 184.376.

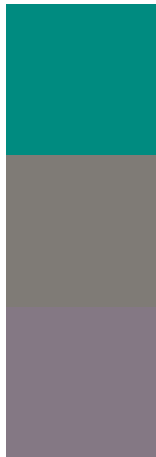


This preview shows how white text looks on a background with the CIELCh color 52, 34.613, 184.376.

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, 34.196, 185.239

Protanopia
52, 3.310, 80.264

Deuteranopia
52, 8.467, 324.899



Tritanopia
52, 28.094, 210.177

Trichromacy



Original Color
52, 34.196, 185.239

Protanomaly
50, 18.249, 182.593

Deuteranomaly
50, 15.336, 204.490

Tritanomaly
52, 30.037, 199.939

Monochromacy



Original Color
52, 34.196, 185.239

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 18.633, 187.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 34.613, 184.376 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 34.613, 184.376 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, 128) }
```

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

```
.border{ border-color:rgb(0, 139, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 34.613, 184.376 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, 128) }
```

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

```
.background{ background-color: rgb(0, 139,  
128) }
```

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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