

Converting Colors

CIELCh(44, 68.266, 185.252)

Have a look what the booklet for
CIELCh(44, 68.266, 185.252)
contains.

CIELCh(48, 33.538, 180.555)	3
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Color

CIELCh(48, 33.538, 180.555)

Conversions

Conversions Part 1

Format	Color
Hex	028172
RGB	2, 129, 114
RGB Percent	1%, 51%, 45%
CMY	0.9937, 0.4959, 0.5548
CMYK	0.99, 0.00, 0.12, 0.50
HSL	173°, 98%, 26%
HSV	173°, 99%, 50%
XYZ	10.8200, 16.7945, 18.4483
YIQ	89.3170, -70.8770, -31.5890

Conversions

Conversions Part 2

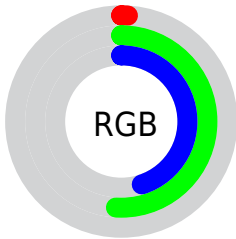
Format	Color
RYB	2, 69, 129
Decimal	164210
CIELab	48.00, -33.54, -0.32
CIELCh	48, 33.538, 180.555
Yxy	16.7945, 0.2349, 0.3646
Android (android.graphics.Color)	4278354290 (0xFF028172)
YUV	89.3170, 12.1687, -76.5770
Hunter-Lab	40.9810, -24.5885, 1.9964

Details

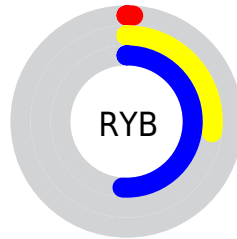
The CIELCh color **48, 33.538, 180.555** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **26, 57.395, 32.838**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 33.796, 180.531**, and **29, 24.980, 176.184** is the 20% darker color. If you saturate the color by 10%, you get **48, 33.687, 180.411**, and if you desaturate by 10%, it is **48, 32.325, 181.740**.

Distribution



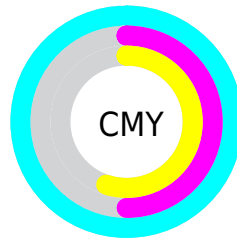
- Red (1%)
- Green (51%)
- Blue (45%)



- Red (1%)
- Yellow (27%)
- Blue (51%)



- Cyan (99%)
- Magenta (0%)
- Yellow (12%)
- Black (50%)





- Cyan (99%)
- Magenta (50%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 33.538, 180.555 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 48, 33.538, 180.555 by changing the saturation by 10% instead.


 48, 33.538,
180.555


 48, 33.538,
180.555


 100, 33.538,
180.555


 38, 33.538,
180.555

 68, 33.538,
180.555


 28, 33.538,
180.555

 78, 33.538,
180.555

 18, 33.538,
180.555

 88, 33.538,
180.555

 8, 33.538, 180.555

 98, 33.538,
180.555

 0, 33.538, 180.555

 48, 33.538,

 48, 33.538,

180.555

180.555

■ 48, 33.687,
180.411

■ 48, 32.325,
181.740

■ 48, 30.682,
182.863

■ 49, 28.449,
183.894

■ 49, 25.625,
184.851

■ 50, 22.244,
185.752

■ 50, 18.362,
186.611

■ 51, 14.053,
187.441

■ 52, 9.397, 188.253

Harmonies

Complementary

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



48, 33.538, 180.555



26, 57.395, 32.838

Rectangle

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



48, 33.538, 180.555



48, 33.538, 230.555



48, 33.538, 0.555



48, 33.538, 50.555

Sweetspot

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



48, 33.538, 180.554



65, 18.172, 187.280



47, 70.796, 135.139



33, 12.210, 186.990



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 33.538, 180.554



62, 41.143, 180.074



33, 32.178, 265.230



26, 2.858, 189.049



48, 33.485, 180.422



0, 0.000, 0.000

Inverse Universe

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



26, 57.395, 32.838



35, 71.557, 34.514



31, 53.403, 52.117



25, 2.983, 10.335



26, 57.612, 33.201



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 33.538, 180.555 looks on a white 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

Black Background



This preview shows how the CIELCh color 48, 33.538, 180.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

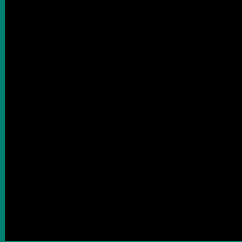
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 33.538, 180.555

Background



This preview shows how black text looks on a background with the CIELCh color 48, 33.538, 180.555.

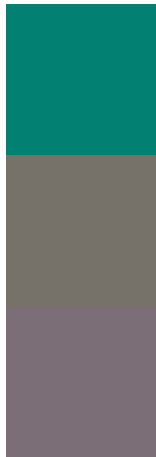


This preview shows how white text looks on a background with the CIELCh color 48, 33.538, 180.555.

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
48, 33.580, 180.612

Protanopia
48, 5.137, 85.442

Deuteranopia
48, 7.096, 338.640



Tritanopia
48, 25.815, 211.686

Trichromacy



Original Color
48, 33.580, 180.612

Protanomaly
47, 17.632, 175.688

Deuteranomaly
47, 14.057, 195.431

Tritanomaly
48, 27.961, 199.028

Monochromacy



Original Color
48, 33.580, 180.612

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 17.241, 187.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 33.538, 180.555 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(2, 129, 114)` looks like.

```
.text, #text, p{  
    color:rgb(2, 129, 114)  
}
```

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(2, 129, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 129, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 33.538, 180.555 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(2, 129, 114) }
```

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

```
.border{ border-color:rgb(2, 129, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 129, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 129, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 129, 114);  
box-shadow:4px 4px 4px 4px rgb(2, 129,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 33.538, 180.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 129, 114) }
```

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

```
.background{ background-color: rgb(2, 129,  
114) }
```

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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