

Converting Colors

CIELCh(52, 33.766, 173.182)

Have a look what the booklet for
CIELCh(52, 33.766, 173.182)
contains.

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Color

CIELCh(52, 33.886, 172.839)

Conversions

Conversions Part 1

Format	Color
Hex	2A8B74
RGB	42, 139, 116
RGB Percent	16%, 55%, 45%
CMY	0.8364, 0.4558, 0.5459
CMYK	0.70, 0.00, 0.17, 0.46
HSL	166°, 54%, 35%
HSV	166°, 70%, 54%
XYZ	13.2846, 20.1443, 19.6473
YIQ	107.3750, -50.4290, -27.7170

Conversions

Conversions Part 2

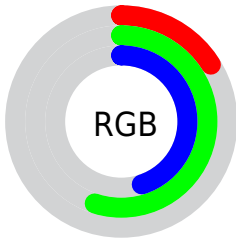
Format	Color
RYB	42, 97, 139
Decimal	2788212
CIELab	52.00, -33.62, 4.22
CIElCh	52, 33.886, 172.839
Yxy	20.1443, 0.2503, 0.3795
Android (android.graphics.Color)	4280978292 (0xFF2A8B74)
YUV	107.3750, 4.2521, -57.3339
Hunter-Lab	44.8824, -25.7106, 5.4634

Details

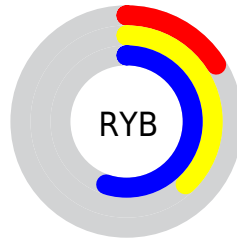
The CIELCh color **52, 33.886, 172.839** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **33, 43.693, 12.222**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 33.750, 172.951**, and **33, 29.025, 169.755** is the 20% darker color. If you saturate the color by 10%, you get **52, 36.848, 171.296**, and if you desaturate by 10%, it is **52, 30.323, 174.229**.

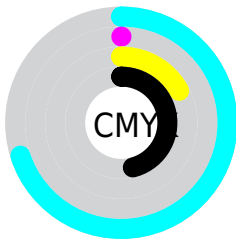
Distribution



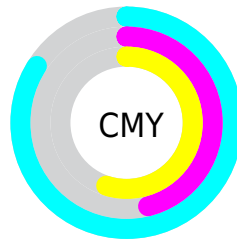
- Red (16%)
- Green (55%)
- Blue (45%)



- Red (16%)
- Yellow (38%)
- Blue (55%)



- Cyan (70%)
- Magenta (0%)
- Yellow (17%)
- Black (46%)





- Cyan (84%)
- Magenta (46%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 33.886, 172.839 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, 33.886, 172.839 by changing the saturation by 10% instead.


 52, 33.886,
172.839


 52, 33.886,
172.839


 100, 33.886,
172.839


 42, 33.886,
172.839


 72, 33.886,
172.839

 32, 33.886,
172.839

 82, 33.886,
172.839

 22, 33.886,
172.839

 92, 33.886,
172.839

 12, 33.886,
172.839

 2, 33.886, 172.839

 0, 33.886, 172.839

■ 52, 33.886,
172.839

■ 52, 33.886,
172.839

■ 52, 36.848,
171.296

■ 52, 30.323,
174.229

■ 51, 39.207,
169.585

■ 53, 26.198,
175.490

■ 51, 41.156,
167.789

■ 54, 21.584,
176.644

■ 51, 41.169,
167.778

■ 55, 16.563,
177.711

■ 56, 11.229,
178.710

■ 57, 5.668, 179.672

■ 58, 0.041, 351.132

■ 59, 5.827, 1.257

Harmonies

Complementary

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



52, 33.886, 172.839



33, 43.693, 12.222

Rectangle

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



52, 33.886, 172.839



52, 33.886, 222.839



52, 33.886, 352.839



52, 33.886, 42.839

Sweetspot

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



52, 33.886, 172.838



71, 14.660, 178.561



52, 59.687, 133.655



37, 9.961, 178.323



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, 33.886, 172.838



66, 46.577, 170.307



45, 24.398, 234.445



29, 3.201, 179.749



49, 39.780, 167.870



1, 1.502, 180.492

Inverse Universe

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



33, 43.693, 12.222



40, 62.632, 18.349



37, 40.948, 44.833



27, 3.303, 1.249



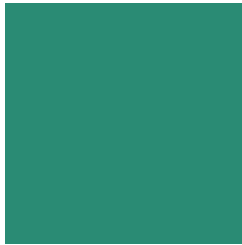
27, 55.186, 24.841



0, 1.502, 0.477

Previews

White Background



This preview shows how the CIELCh color 52, 33.886, 172.839 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, 33.886, 172.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

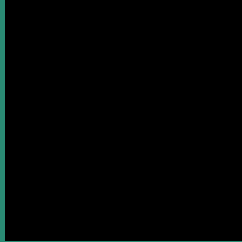
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 33.886, 172.839

Background



This preview shows how black text looks on a background with the CIELCh color 52, 33.886, 172.839.

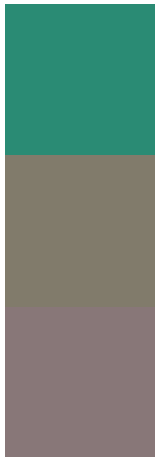


This preview shows how white text looks on a background with the CIELCh color 52, 33.886, 172.839.

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, 33.886, 172.839

Protanopia
52, 9.590, 93.673

Deuteranopia
52, 6.996, 15.417



Tritanopia
52, 24.350, 212.599

Trichromacy



Original Color
52, 33.886, 172.839

Protanomaly
51, 16.915, 156.932

Deuteranomaly
51, 10.540, 171.992

Tritanomaly
52, 26.237, 195.572

Monochromacy



Original Color
52, 33.886, 172.839

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 14.885, 176.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 33.886, 172.839 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(42, 139, 116)` looks like.

```
.text, #text, p{  
    color:rgb(42, 139, 116)  
}
```

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(42, 139, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 139, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 33.886, 172.839 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(42, 139, 116) }
```

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

```
.border{ border-color:rgb(42, 139, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 139, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 139, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 139, 116);  
box-shadow:4px 4px 4px 4px rgb(42, 139,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 33.886, 172.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 139, 116) }
```

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

```
.background{ background-color: rgb(42, 139,  
116) }
```

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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