

Converting Colors

CIELCh(50, 54.701, 177.850)

Have a look what the booklet for
CIELCh(50, 54.701, 177.850)
contains.

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Color

CIELCh(52, 38.878, 172.748)

Conversions

Conversions Part 1

Format	Color
Hex	028D72
RGB	2, 141, 114
RGB Percent	1%, 55%, 45%
CMY	0.9935, 0.4489, 0.5510
CMYK	0.99, 0.00, 0.19, 0.45
HSL	169°, 98%, 28%
HSV	169°, 99%, 55%
XYZ	12.5394, 20.1443, 19.2930
YIQ	96.3610, -74.1770, -37.8650

Conversions

Conversions Part 2

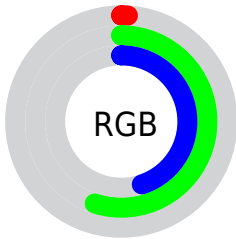
Format	Color
RYB	2, 79, 141
Decimal	167282
CIELab	52.00, -38.57, 4.91
CIELCh	52, 38.878, 172.748
Yxy	20.1443, 0.2413, 0.3876
Android (android.graphics.Color)	4278357362 (0xFF028D72)
YUV	96.3610, 8.6960, -82.7546
Hunter-Lab	44.8824, -28.6742, 5.9315

Details

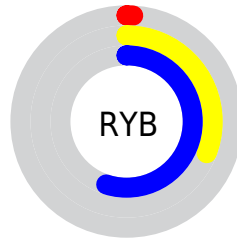
The CIELCh color **52, 38.878, 172.748** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **29, 58.901, 28.561**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 39.033, 172.507**, and **33, 30.924, 166.237** is the 20% darker color. If you saturate the color by 10%, you get **52, 39.069, 172.564**, and if you desaturate by 10%, it is **52, 37.226, 174.364**.

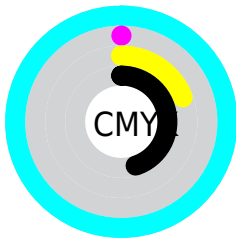
Distribution



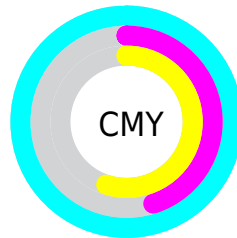
- Red (1%)
- Green (55%)
- Blue (45%)



- Red (1%)
- Yellow (31%)
- Blue (55%)



- Cyan (99%)
- Magenta (0%)
- Yellow (19%)
- Black (45%)




- Cyan (99%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 38.878, 172.748 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, 38.878, 172.748 by changing the saturation by 10% instead.

 52, 38.878,
172.748

 52, 38.878,
172.748

 100, 38.878,
172.748

 42, 38.878,
172.748

 72, 38.878,
172.748

 32, 38.878,
172.748

 82, 38.878,
172.748

 22, 38.878,
172.748

 92, 38.878,
172.748

 12, 38.878,
172.748

 2, 38.878, 172.748

 0, 38.878, 172.748

■ 52, 38.878,
172.748

■ 52, 38.878,
172.748

■ 52, 39.069,
172.564

■ 52, 37.226,
174.364

■ 52, 35.100,
175.878

■ 53, 32.351,
177.247

■ 53, 28.981,
178.490

■ 54, 25.031,
179.629

■ 55, 20.569,
180.684

■ 55, 15.679,
181.674

■ 56, 10.453,

182.615

■ 57, 4.976, 183.541

Harmonies

Complementary

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



52, 38.878, 172.748



29, 58.901, 28.561

Rectangle

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



52, 38.878, 172.748



52, 38.878, 222.748



52, 38.878, 352.748



52, 38.878, 42.748

Sweetspot

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



52, 38.878, 172.747



71, 20.208, 181.498



51, 74.898, 134.446



36, 13.609, 181.135



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, 38.878, 172.747



67, 47.803, 172.145



39, 30.896, 254.386



30, 3.223, 183.506



50, 37.947, 172.633



2, 2.206, 184.225

Inverse Universe

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



29, 58.901, 28.561



38, 73.196, 30.354



33, 59.339, 48.053



28, 3.343, 4.965



27, 57.682, 28.849



0, 2.206, 4.210

Previews

White Background



This preview shows how the CIELCh color 52, 38.878, 172.748 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, 38.878, 172.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

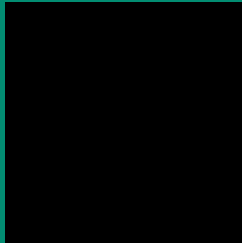
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 38.878, 172.748

Background



This preview shows how black text looks on a background with the CIELCh color 52, 38.878, 172.748.



This preview shows how white text looks on a background with the CIELCh color 52, 38.878, 172.748.

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, 39.263, 172.088

Protanopia

52, 10.266, 92.116

Deuteranopia

52, 7.412, 20.192



Tritanopia
52, 26.869, 210.906

Trichromacy



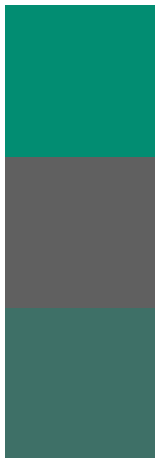
Original Color
52, 39.263, 172.088

Protanomaly
50, 21.295, 163.943

Deuteranomaly
50, 15.985, 176.195

Tritanomaly
52, 30.462, 193.161

Monochromacy



Original Color
52, 39.263, 172.088

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 19.247, 180.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 38.878, 172.748 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, 141, 114)` looks like.

```
.text, #text, p{  
    color:rgb(2, 141, 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, 141, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 141, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 38.878, 172.748 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, 141, 114) }
```

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

```
.border{ border-color:rgb(2, 141, 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, 141, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 141, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 141, 114);  
box-shadow:4px 4px 4px 4px rgb(2, 141,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 38.878, 172.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 141, 114) }
```

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

```
.background{ background-color: rgb(2, 141,  
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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