

Converting Colors

CIELCh(51, 40.580, 180.122)

Have a look what the booklet for
CIELCh(51, 40.580, 180.122)
contains.

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Color

CIELCh(52, 36.449, 178.134)

Conversions

Conversions Part 1

Format	Color
Hex	038C79
RGB	3, 140, 121
RGB Percent	1%, 55%, 47%
CMY	0.9878, 0.4511, 0.5258
CMYK	0.98, 0.00, 0.14, 0.45
HSL	172°, 96%, 28%
HSV	172°, 98%, 55%
XYZ	12.8580, 20.1443, 21.2744
YIQ	96.8710, -75.5530, -34.9530

Conversions

Conversions Part 2

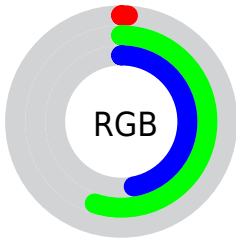
Format	Color
RYB	3, 77, 140
Decimal	232569
CIELab	52.00, -36.43, 1.19
CIELCh	52, 36.449, 178.134
Yxy	20.1443, 0.2369, 0.3711
Android (android.graphics.Color)	4278422649 (0xFF038C79)
YUV	96.8710, 11.8956, -82.3249
Hunter-Lab	44.8824, -27.4073, 3.3141

Details

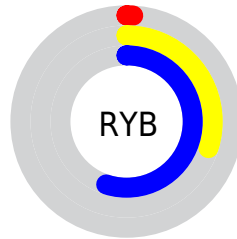
The CIELCh color **52, 36.449, 178.134** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **29, 60.042, 31.531**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 36.345, 178.183**, and **33, 27.673, 174.313** is the 20% darker color. If you saturate the color by 10%, you get **52, 36.743, 177.839**, and if you desaturate by 10%, it is **52, 35.071, 179.486**.

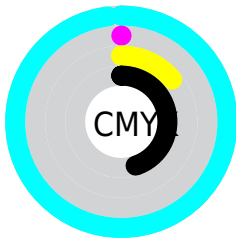
Distribution



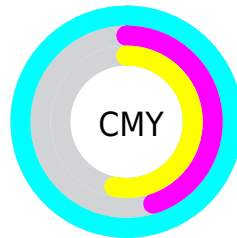
- Red (1%)
- Green (55%)
- Blue (47%)



- Red (1%)
- Yellow (30%)
- Blue (55%)



- Cyan (98%)
- Magenta (0%)
- Yellow (14%)
- Black (45%)





- Cyan (99%)
- Magenta (45%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 36.449, 178.134 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, 36.449, 178.134 by changing the saturation by 10% instead.


 52, 36.449,
178.134


 52, 36.449,
178.134


 100, 36.449,
178.134


 42, 36.449,
178.134


 72, 36.449,
178.134

 32, 36.449,
178.134

 82, 36.449,
178.134

 22, 36.449,
178.134

 92, 36.449,
178.134

 12, 36.449,
178.134

 2, 36.449, 178.134

 0, 36.449, 178.134

■ 52, 36.449,
178.134

■ 52, 36.449,
178.134

■ 52, 36.743,
177.839

■ 52, 35.071,
179.486

■ 52, 33.175,
180.741

■ 53, 30.644,
181.887

■ 53, 27.482,
182.941

■ 54, 23.729,
183.923

■ 55, 19.449,
184.850

■ 55, 14.725,
185.737

■ 56, 9.645, 186.597

Harmonies

Complementary

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



52, 36.449, 178.134



29, 60.042, 31.531

Rectangle

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



52, 36.449, 178.134



52, 36.449, 228.134



52, 36.449, 358.134



52, 36.449, 48.134

Sweetspot

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



52, 36.449, 178.133



70, 18.873, 185.577



51, 74.935, 135.048



36, 12.912, 185.242



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, 36.449, 178.133



66, 44.549, 177.502



37, 33.156, 262.591



29, 3.068, 187.344



49, 35.300, 177.920



1, 1.446, 188.010

Inverse Universe

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



29, 60.042, 31.531



38, 74.753, 33.554



34, 56.997, 50.915



27, 3.197, 8.703



27, 58.629, 32.132



0, 1.447, 7.994

Previews

White Background



This preview shows how the CIELCh color 52, 36.449, 178.134 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, 36.449, 178.134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

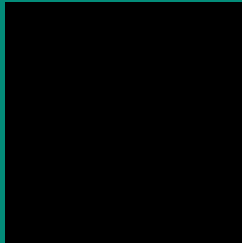
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 36.449, 178.134

Background



This preview shows how black text looks on a background with the CIELCh color 52, 36.449, 178.134.



This preview shows how white text looks on a background with the CIELCh color 52, 36.449, 178.134.

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, 36.446, 178.176

Protanopia
52, 6.688, 91.251

Deuteranopia
52, 6.361, 353.014



Tritanopia
52, 27.413, 210.578

Trichromacy



Original Color
52, 36.446, 178.176

Protanomaly
50, 19.256, 172.210

Deuteranomaly
50, 15.170, 191.144

Tritanomaly
52, 29.842, 197.684

Monochromacy



Original Color
52, 36.446, 178.176

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 18.762, 184.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 36.449, 178.134 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(3, 140, 121)` looks like.

```
.text, #text, p{  
    color:rgb(3, 140, 121)  
}
```

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(3, 140, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 140, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 36.449, 178.134 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(3, 140, 121) }
```

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

```
.border{ border-color:rgb(3, 140, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 140, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 140, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 140, 121);  
box-shadow:4px 4px 4px 4px rgb(3, 140,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 36.449, 178.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 140, 121) }
```

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

```
.background{ background-color: rgb(3, 140,  
121) }
```

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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