

Converting Colors

CIELCh(49, 53.238, 189.527)

Have a look what the booklet for
CIELCh(49, 53.238, 189.527)
contains.

CIELCh(52, 33.308, 188.076)	3
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Color

CIELCh(52, 33.308, 188.076)

Conversions

Conversions Part 1

Format	Color
Hex	048B83
RGB	4, 139, 131
RGB Percent	2%, 55%, 51%
CMY	0.9862, 0.4547, 0.4862
CMYK	0.97, 0.00, 0.06, 0.45
HSL	176°, 95%, 28%
HSV	176°, 97%, 55%
XYZ	13.3838, 20.1443, 24.6662
YIQ	97.7230, -77.8920, -31.1080

Conversions

Conversions Part 2

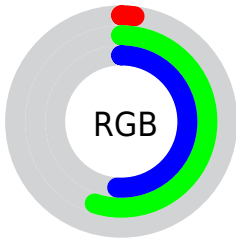
Format	Color
RYB	4, 74, 139
Decimal	297859
CIELab	52.00, -32.98, -4.68
CIELCh	52, 33.308, 188.076
Yxy	20.1443, 0.2300, 0.3462
Android (android.graphics.Color)	4278487939 (0xFF048B83)
YUV	97.7230, 16.4056, -82.1951
Hunter-Lab	44.8824, -25.3162, -1.1665

Details

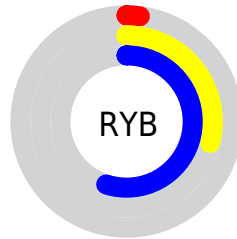
The CIELCh color **52, 33.308, 188.076** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **28, 62.587, 36.016**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 33.195, 188.306**, and **33, 24.369, 187.152** is the 20% darker color. If you saturate the color by 10%, you get **52, 33.536, 187.897**, and if you desaturate by 10%, it is **52, 32.336, 188.788**.

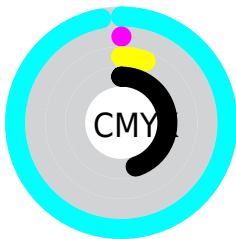
Distribution



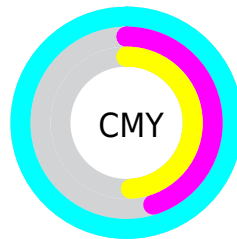
- Red (2%)
- Green (55%)
- Blue (51%)



- Red (2%)
- Yellow (29%)
- Blue (55%)



- Cyan (97%)
- Magenta (0%)
- Yellow (6%)
- Black (45%)





- Cyan (99%)
- Magenta (45%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 33.308, 188.076 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, 33.308, 188.076 by changing the saturation by 10% instead.


 52, 33.308,
188.076


 52, 33.308,
188.076


 100, 33.308,
188.076


 42, 33.308,
188.076


 72, 33.308,
188.076

 32, 33.308,
188.076

 82, 33.308,
188.076

 22, 33.308,
188.076

 92, 33.308,
188.076

 12, 33.308,
188.076

 2, 33.308, 188.076

 0, 33.308, 188.076

■ 52, 33.308,
188.076

■ 52, 33.308,
188.076

■ 52, 33.536,
187.897

■ 52, 32.336,
188.788

■ 52, 30.830,
189.471

■ 53, 28.681,
190.127

■ 53, 25.883,
190.769

■ 54, 22.469,
191.407

■ 54, 18.496,
192.049

■ 55, 14.041,
192.701

■ 56, 9.186, 193.371

Harmonies

Complementary

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



52, 33.308, 188.076



28, 62.587, 36.016

Rectangle

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



52, 33.308, 188.076



52, 33.308, 238.076



52, 33.308, 8.076



52, 33.308, 58.076

Sweetspot

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



52, 33.308, 188.075



70, 18.261, 192.559



50, 75.200, 135.769



37, 12.466, 192.311



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, 33.308, 188.075



67, 40.762, 187.722



33, 38.449, 274.392



29, 3.001, 193.961



50, 32.391, 187.933



1, 1.421, 194.503

Inverse Universe

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



28, 62.587, 36.016



38, 78.361, 37.627



36, 54.228, 56.643



27, 3.154, 15.084



27, 61.315, 36.276



0, 1.421, 14.486

Previews

White Background



This preview shows how the CIELCh color 52, 33.308, 188.076 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, 33.308, 188.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

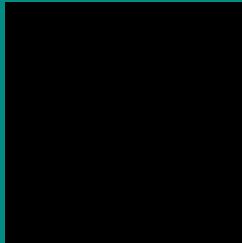
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 33.308, 188.076

Background



This preview shows how black text looks on a background with the CIELCh color 52, 33.308, 188.076.



This preview shows how white text looks on a background with the CIELCh color 52, 33.308, 188.076.

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, 33.267, 188.097

Protanopia
52, 1.331, 45.002

Deuteranopia
52, 9.603, 315.103



Tritanopia
52, 28.320, 210.050

Trichromacy



Original Color
52, 33.267, 188.097

Protanomaly
51, 17.480, 189.872

Deuteranomaly
50, 15.455, 213.420

Tritanomaly
52, 29.923, 201.103

Monochromacy



Original Color
52, 33.267, 188.097

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 17.714, 191.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 33.308, 188.076 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(4, 139, 131)` looks like.

```
.text, #text, p{  
    color:rgb(4, 139, 131)  
}
```

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(4, 139, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 139, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 33.308, 188.076 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(4, 139, 131) }
```

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

```
.border{ border-color:rgb(4, 139, 131) }
```

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

Here you see how a box with a 4 pixel rgb(4, 139, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 139, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 139, 131);  
box-shadow:4px 4px 4px 4px rgb(4, 139,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 33.308, 188.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 139, 131) }
```

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

```
.background{ background-color: rgb(4, 139,  
131) }
```

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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