

Converting Colors

CIELCh(51, 35.889, 196.381)

Have a look what the booklet for
CIELCh(51, 35.889, 196.381)
contains.

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Color

CIELCh(52, 31.424, 197.484)

Conversions

Conversions Part 1

Format	Color
Hex	048A8B
RGB	4, 138, 139
RGB Percent	2%, 54%, 55%
CMY	0.9832, 0.4579, 0.4540
CMYK	0.97, 0.01, 0.00, 0.45
HSL	180°, 94%, 28%
HSV	180°, 97%, 55%
XYZ	13.8531, 20.1443, 27.6706
YIQ	98.0480, -80.1850, -28.0970

Conversions

Conversions Part 2

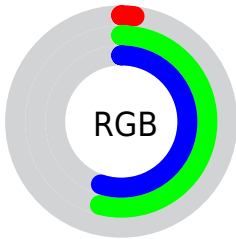
Format	Color
RYB	4, 71, 139
Decimal	297611
CIELab	52.00, -29.97, -9.44
CIELCh	52, 31.424, 197.484
Yxy	20.1443, 0.2246, 0.3267
Android (android.graphics.Color)	4278487691 (0xFF048A8B)
YUV	98.0480, 20.1893, -82.4801
Hunter-Lab	44.8824, -23.4499, -5.1354

Details

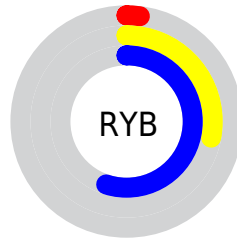
The CIELCh color **52, 31.424, 197.484** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **28, 64.167, 38.434**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 31.420, 197.038**, and **33, 22.581, 199.699** is the 20% darker color. If you saturate the color by 10%, you get **52, 31.625, 197.491**, and if you desaturate by 10%, it is **52, 30.676, 197.464**.

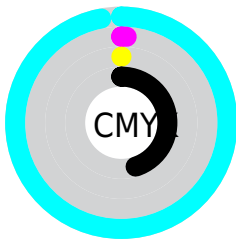
Distribution



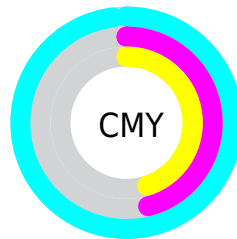
- Red (2%)
- Green (54%)
- Blue (55%)



- Red (2%)
- Yellow (28%)
- Blue (55%)



- Cyan (97%)
- Magenta (1%)
- Yellow (0%)
- Black (45%)





- Cyan (98%)
- Magenta (46%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 31.424, 197.484 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, 31.424, 197.484 by changing the saturation by 10% instead.


 52, 31.424,
197.484


 52, 31.424,
197.484


 100, 31.424,
197.484


 42, 31.424,
197.484


 72, 31.424,
197.484

 32, 31.424,
197.484

 82, 31.424,
197.484

 22, 31.424,
197.484

 92, 31.424,
197.484

 12, 31.424,
197.484

 2, 31.424, 197.484

 0, 31.424, 197.484

■ 52, 31.424,
197.484

■ 52, 31.424,
197.484

■ 52, 31.625,
197.491

■ 52, 30.676,
197.464

■ 52, 29.380,
197.508

■ 53, 27.438,
197.623

■ 53, 24.842,
197.811

■ 54, 21.615,
198.069

■ 54, 17.811,
198.395

■ 55, 13.501,
198.784

■ 56, 8.764, 199.234

Harmonies

Complementary

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



52, 31.424, 197.484



28, 64.167, 38.434

Rectangle

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



52, 31.424, 197.484



52, 31.424, 247.484



52, 31.424, 17.484



52, 31.424, 67.484

Sweetspot

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



52, 31.424, 197.483



70, 17.841, 198.673



50, 75.525, 136.186



37, 12.160, 198.525



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, 31.424, 197.483



66, 38.350, 197.516



31, 43.603, 281.714



29, 2.956, 199.642



50, 30.527, 197.486



1, 1.404, 200.033

Inverse Universe

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



33, 72.595, 328.479



43, 88.857, 328.523



38, 52.601, 62.025



27, 5.414, 325.099



31, 70.723, 328.515



0, 2.499, 324.632

Previews

White Background



This preview shows how the CIELCh color 52, 31.424, 197.484 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, 31.424, 197.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

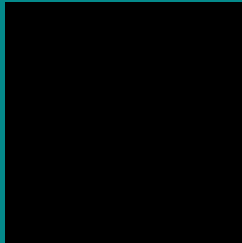
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 31.424, 197.484

Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.424, 197.484.

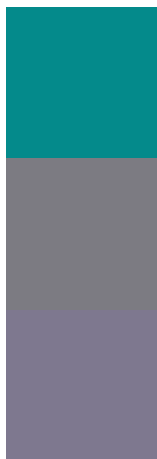


This preview shows how white text looks on a background with the CIELCh color 52, 31.424, 197.484.

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, 31.393, 197.502

Protanopia

52, 4.096, 296.180

Deuteranopia

52, 13.628, 301.360



Tritanopia
52, 29.101, 209.625

Trichromacy



Original Color
52, 31.393, 197.502

Protanomaly
51, 17.093, 205.642

Deuteranomaly
51, 17.178, 228.995

Tritanomaly
52, 29.772, 205.758

Monochromacy



Original Color
52, 31.393, 197.502

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 17.332, 197.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 31.424, 197.484 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, 138, 139)` looks like.

```
.text, #text, p{  
    color:rgb(4, 138, 139)  
}
```

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, 138, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 138, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 31.424, 197.484 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, 138, 139) }
```

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

```
.border{ border-color:rgb(4, 138, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 138, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 138, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 138, 139);  
box-shadow:4px 4px 4px 4px rgb(4, 138,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 31.424, 197.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 138, 139) }
```

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

```
.background{ background-color: rgb(4, 138,  
139) }
```

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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