

Converting Colors

CIELCh(51, 40.295, 200.767)

Have a look what the booklet for
CIELCh(51, 40.295, 200.767)
contains.

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Color

CIELCh(52, 31.146, 203.027)

Conversions

Conversions Part 1

Format	Color
Hex	008A90
RGB	0, 138, 144
RGB Percent	0%, 54%, 56%
CMY	1.0000, 0.4591, 0.4355
CMYK	1.00, 0.04, 0.00, 0.44
HSL	183°, 100%, 28%
HSV	183°, 100%, 56%
XYZ	14.0607, 20.1443, 29.5067
YIQ	97.4220, -84.1740, -27.3900

Conversions

Conversions Part 2

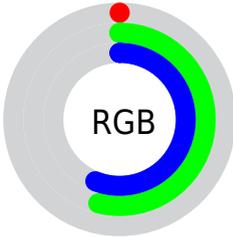
Format	Color
RYB	0, 70, 144
Decimal	35472
CIELab	52.00, -28.66, -12.18
CIELCh	52, 31.146, 203.027
Yxy	20.1443, 0.2207, 0.3162
Android (android.graphics.Color)	4278225552 (0xFF008A90)
YUV	97.4220, 22.9630, -85.4391
Hunter-Lab	44.8824, -22.6242, -7.5608

Details

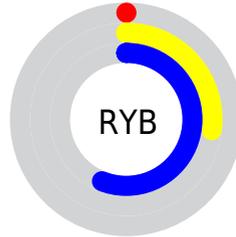
The CIELCh color **52, 31.146, 203.027** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **30, 66.955, 39.894**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 30.913, 203.261**, and **33, 22.107, 208.297** is the 20% darker color. If you saturate the color by 10%, you get **52, 30.967, 203.079**, and if you desaturate by 10%, it is **52, 30.417, 202.570**.

Distribution



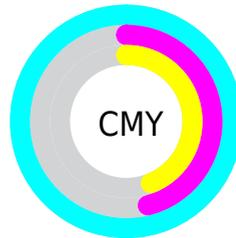
- Red (0%)
- Green (54%)
- Blue (56%)



- Red (0%)
- Yellow (27%)
- Blue (56%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (46%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 31.146, 203.027 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, 31.146, 203.027 by changing the saturation by 10% instead.

 52, 31.146,
203.027

 52, 31.146,
203.027

 100, 31.146,
203.027

 42, 31.146,
203.027

 72, 31.146,
203.027

 32, 31.146,
203.027

 82, 31.146,
203.027

 22, 31.146,
203.027

 92, 31.146,
203.027

 12, 31.146,
203.027

 2, 31.146, 203.027

 0, 31.146, 203.027

■ 52, 31.146,
203.027

■ 52, 31.146,
203.027

■ 52, 30.967,
203.079

■ 52, 30.417,
202.570

■ 53, 29.413,
202.166

■ 53, 27.758,
201.904

■ 54, 25.430,
201.775

■ 54, 22.451,
201.768

■ 55, 18.868,
201.869

■ 56, 14.751,
202.066

■ 57, 10.179,

202.349

■ 58, 5.236, 202.725

Harmonies

Complementary

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



52, 31.146, 203.027



30, 66.955, 39.894

Rectangle

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



52, 31.146, 203.027



52, 31.146, 253.027



52, 31.146, 23.027



52, 31.146, 73.027

Sweetspot

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



52, 30.967, 203.079



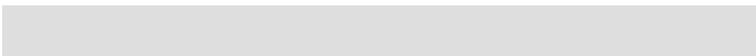
71, 18.152, 202.051



52, 77.541, 136.380



37, 12.296, 201.968



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52, 30.967, 203.079



66, 37.388, 203.225



30, 49.362, 286.235



30, 2.943, 202.763



49, 29.590, 203.038



2, 2.035, 203.047

Inverse Universe

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



33, 73.101, 329.927



44, 88.293, 329.963



40, 54.822, 64.205



28, 5.452, 326.048



31, 69.843, 329.917



1, 3.662, 325.572

Previews

White Background



This preview shows how the CIE LCh color 52, 31.146, 203.027 looks on a white background.

Color Contrast Check

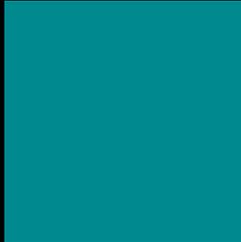
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.146, 203.027 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

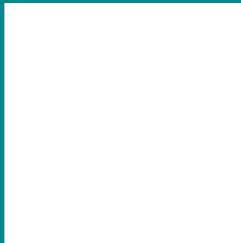
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 31.146, 203.027

Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.146, 203.027.

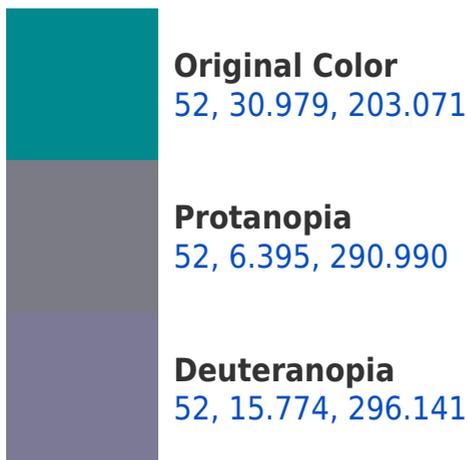


This preview shows how white text looks on a background with the CIELCh color 52, 31.146, 203.027.

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





Tritanopia
52, 29.560, 209.385

Trichromacy



Original Color
52, 30.979, 203.071

Protanomaly
51, 17.648, 217.314

Deuteranomaly
51, 19.104, 236.146

Tritanomaly
52, 30.006, 207.988

Monochromacy



Original Color
52, 30.979, 203.071

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 17.451, 201.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 31.146, 203.027 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(0, 138, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 144)  
}
```

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(0, 138, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 31.146, 203.027 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(0, 138, 144) }
```

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

```
.border{ border-color:rgb(0, 138, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 31.146, 203.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 144) }
```

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

```
.background{ background-color: rgb(0, 138,  
144) }
```

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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