

Converting Colors

CIELCh(52, 31.181, 228.145)

Have a look what the booklet for
CIELCh(52, 31.181, 228.145)
contains.

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Color

CIELCh(52, 31.151, 227.719)

Conversions

Conversions Part 1

Format	Color
Hex	0088A3
RGB	0, 136, 163
RGB Percent	0%, 53%, 64%
CMY	1.0000, 0.4679, 0.3621
CMYK	1.00, 0.17, 0.00, 0.36
HSL	190°, 100%, 32%
HSV	190°, 100%, 64%
XYZ	15.3262, 20.1443, 37.5783
YIQ	98.4140, -89.7230, -20.4350

Conversions

Conversions Part 2

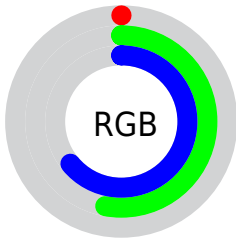
Format	Color
RYB	0, 74, 163
Decimal	34979
CIELab	52.00, -20.96, -23.05
CIELCh	52, 31.151, 227.719
Yxy	20.1443, 0.2098, 0.2758
Android (android.graphics.Color)	4278225059 (0xFF0088A3)
YUV	98.4140, 31.8409, -86.3091
Hunter-Lab	44.8824, -17.5911, -18.2235

Details

The CIELCh color **52, 31.151, 227.719** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **35, 71.580, 42.697**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 31.107, 227.230**, and **34, 24.015, 238.854** is the 20% darker color. If you saturate the color by 10%, you get **52, 31.105, 227.771**, and if you desaturate by 10%, it is **53, 30.489, 224.900**.

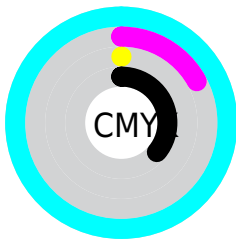
Distribution



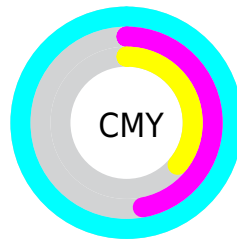
- Red (0%)
- Green (53%)
- Blue (64%)



- Red (0%)
- Yellow (29%)
- Blue (64%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (36%)





- Cyan (100%)
- Magenta (47%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 31.151, 227.719 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, 31.151, 227.719 by changing the saturation by 10% instead.


 52, 31.151,
227.719


 52, 31.151,
227.719


 100, 31.151,
227.719


 42, 31.151,
227.719


 72, 31.151,
227.719


 32, 31.151,
227.719


 82, 31.151,
227.719

 22, 31.151,
227.719

 92, 31.151,
227.719

 12, 31.151,
227.719

 2, 31.151, 227.719

 0, 31.151, 227.719

■ 52, 31.151,
227.719

■ 52, 31.151,
227.719

■ 52, 31.105,
227.771

■ 53, 30.489,
224.900

■ 54, 29.440,
222.447

■ 55, 27.758,
220.496

■ 57, 25.411,
218.983

■ 58, 22.417,
217.838

■ 60, 18.826,
216.997

■ 61, 14.709,
216.405

■ 63, 10.146,

216.016

■ 65, 5.219, 215.813

Harmonies

Complementary

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



52, 31.151, 227.719



35, 71.580, 42.697

Rectangle

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



52, 31.151, 227.719



52, 31.151, 277.719



52, 31.151, 47.719



52, 31.151, 97.719

Sweetspot

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



52, 31.105, 227.771



78, 18.185, 216.432



58, 82.045, 137.757



41, 12.311, 216.648



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



52, 31.105, 227.771



67, 37.834, 228.441



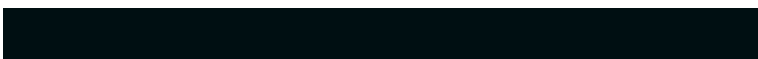
28, 67.339, 295.274



34, 2.966, 215.807



47, 28.640, 227.436



3, 4.610, 220.501

Inverse Universe

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



37, 72.626, 336.062



48, 88.119, 336.237



50, 58.938, 74.384



32, 5.588, 329.887



33, 66.949, 335.975



1, 8.386, 330.830

Previews

White Background



This preview shows how the CIE LCh color 52, 31.151, 227.719 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, 31.151, 227.719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

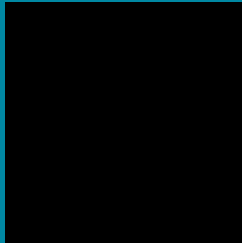
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 31.151, 227.719

Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.151, 227.719.

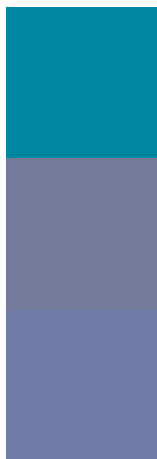


This preview shows how white text looks on a background with the CIELCh color 52, 31.151, 227.719.

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, 31.151, 227.719

Protanopia

52, 18.099, 285.666

Deuteranopia

52, 25.672, 285.828



Tritanopia
52, 30.471, 208.924

Trichromacy



Original Color
52, 31.151, 227.719

Protanomaly
51, 23.265, 247.581

Deuteranomaly
51, 26.809, 254.808

Tritanomaly
52, 30.413, 214.811

Monochromacy



Original Color
52, 31.151, 227.719

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 17.607, 217.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 31.151, 227.719 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, 136, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 163)  
}
```

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, 136, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 31.151, 227.719 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, 136, 163) }
```

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

```
.border{ border-color:rgb(0, 136, 163) }
```

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

Here you see how a box with a 4 pixel rgb(0, 136, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 31.151, 227.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 163) }
```

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

```
.background{ background-color: rgb(0, 136,  
163) }
```

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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