

Converting Colors

CIELCh(52, 31.738, 196.347)

Have a look what the booklet for
CIELCh(52, 31.738, 196.347)
contains.

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Color

CIELCh(52, 31.645, 196.395)

Conversions

Conversions Part 1

Format	Color
Hex	038A8A
RGB	3, 138, 138
RGB Percent	1%, 54%, 54%
CMY	0.9873, 0.4574, 0.4575
CMYK	0.98, 0.00, 0.00, 0.46
HSL	180°, 95%, 28%
HSV	180°, 98%, 54%
XYZ	13.7922, 20.1443, 27.3384
YIQ	97.6350, -80.4600, -28.6200

Conversions

Conversions Part 2

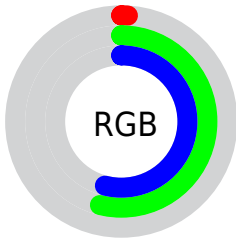
Format	Color
RYB	3, 71, 138
Decimal	232074
CIELab	52.00, -30.36, -8.93
CIELCh	52, 31.645, 196.395
Yxy	20.1443, 0.2251, 0.3288
Android (android.graphics.Color)	4278422154 (0xFF038A8A)
YUV	97.6350, 19.8999, -82.9949
Hunter-Lab	44.8824, -23.6920, -4.6966

Details

The CIELCh color **52, 31.645, 196.395** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **28, 64.279, 38.442**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 31.738, 196.014**, and **33, 22.728, 198.032** is the 20% darker color. If you saturate the color by 10%, you get **52, 31.805, 196.379**, and if you desaturate by 10%, it is **52, 30.890, 196.462**.

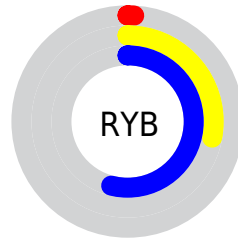
Distribution



Red (1%)

Green (54%)

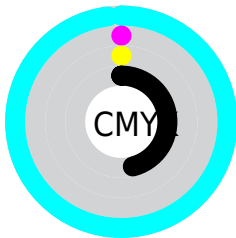
Blue (54%)



Red (1%)

Yellow (28%)

Blue (54%)

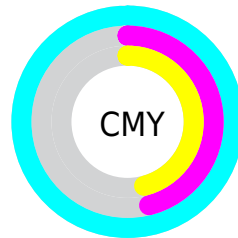


Cyan (98%)

Magenta (0%)

Yellow (0%)

Black (46%)



Cyan (99%)


Magenta (46%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 31.645, 196.395 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, 31.645, 196.395 by changing the saturation by 10% instead.


 52, 31.645,
196.395


 52, 31.645,
196.395


 100, 31.645,
196.395


 42, 31.645,
196.395


 72, 31.645,
196.395

 32, 31.645,
196.395

 82, 31.645,
196.395

 22, 31.645,
196.395

 92, 31.645,
196.395

 12, 31.645,
196.395

 2, 31.645, 196.395

 0, 31.645, 196.395

■ 52, 31.645,
196.395

■ 52, 31.645,
196.395

■ 52, 31.805,
196.379

■ 52, 30.890,
196.462

■ 52, 29.615,
196.578

■ 53, 27.701,
196.754

■ 53, 25.134,
196.991

■ 54, 21.937,
197.290

■ 54, 18.159,
197.650

■ 55, 13.869,
198.067

■ 56, 9.147, 198.541

Harmonies

Complementary

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



52, 31.645, 196.395



28, 64.279, 38.442

Rectangle

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



52, 31.645, 196.395



52, 31.645, 246.395



52, 31.645, 16.395



52, 31.645, 66.395

Sweetspot

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



52, 31.645, 196.394



70, 17.979, 197.980



50, 75.274, 136.051



37, 12.254, 197.819



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, 31.645, 196.394



67, 38.754, 196.379



31, 42.314, 280.254



29, 2.978, 199.005



50, 30.840, 196.379



1, 1.414, 199.418

Inverse Universe

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



28, 64.279, 38.442



38, 80.845, 39.984



37, 53.007, 60.541



27, 3.148, 19.880



27, 63.128, 38.657



0, 1.414, 19.401

Previews

White Background



This preview shows how the CIE LCh color 52, 31.645, 196.395 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, 31.645, 196.395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

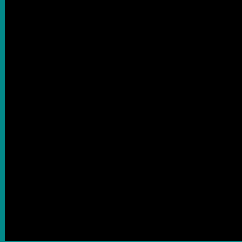
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 31.645, 196.395

Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.645, 196.395.

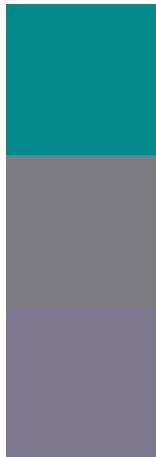


This preview shows how white text looks on a background with the CIELCh color 52, 31.645, 196.395.

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, 31.595, 196.400

Protanopia

52, 3.519, 297.032

Deuteranopia

52, 13.056, 301.745



Tritanopia
52, 29.014, 209.672

Trichromacy



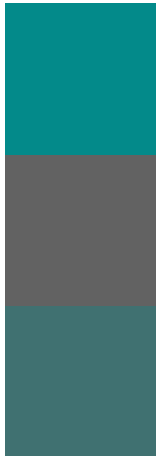
Original Color
52, 31.595, 196.400

Protanomaly
51, 17.113, 203.630

Deuteranomaly
51, 17.218, 226.621

Tritanomaly
52, 29.844, 204.570

Monochromacy



Original Color
52, 31.595, 196.400

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, 31.645, 196.395 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, 138, 138)` looks like.

```
.text, #text, p{  
    color:rgb(3, 138, 138)  
}
```

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, 138, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 138, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 31.645, 196.395 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, 138, 138) }
```

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

```
.border{ border-color:rgb(3, 138, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 138, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 138, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 138, 138);  
box-shadow:4px 4px 4px 4px rgb(3, 138,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 31.645, 196.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 138, 138) }
```

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

```
.background{ background-color: rgb(3, 138,  
138) }
```

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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