

Converting Colors

CIELCh(52, 34.810, 245.156)

Have a look what the booklet for
CIELCh(52, 34.810, 245.156)
contains.

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Color

CIELCh(52, 34.501, 244.618)

Conversions

Conversions Part 1

Format	Color
Hex	0086B1
RGB	0, 134, 177
RGB Percent	0%, 53%, 69%
CMY	1.0000, 0.4754, 0.3068
CMYK	1.00, 0.24, 0.00, 0.31
HSL	195°, 100%, 35%
HSV	195°, 100%, 69%
XYZ	16.3922, 20.1443, 44.4915
YIQ	98.8360, -93.6670, -15.0350

Conversions

Conversions Part 2

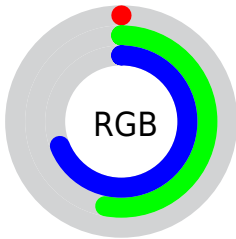
Format	Color
RYB	0, 76, 177
Decimal	34481
CIELab	52.00, -14.79, -31.17
CIELCh	52, 34.501, 244.618
Yxy	20.1443, 0.2023, 0.2486
Android (android.graphics.Color)	4278224561 (0xFF0086B1)
YUV	98.8360, 38.5349, -86.6792
Hunter-Lab	44.8824, -13.3517, -27.3559

Details

The CIELCh color **52, 34.501, 244.618** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **40, 73.843, 45.079**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 34.629, 244.881**, and **34, 29.266, 258.286** is the 20% darker color. If you saturate the color by 10%, you get **52, 34.474, 244.667**, and if you desaturate by 10%, it is **53, 33.179, 240.438**.

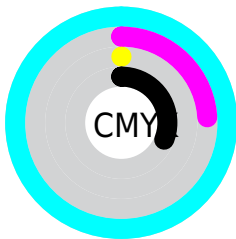
Distribution



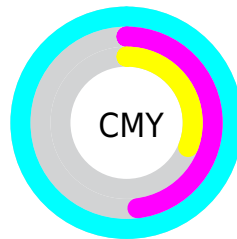
- Red (0%)
- Green (53%)
- Blue (69%)



- Red (0%)
- Yellow (30%)
- Blue (69%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (48%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 34.501, 244.618 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, 34.501, 244.618 by changing the saturation by 10% instead.

 52, 34.501,
244.618

 52, 34.501,
244.618


 100, 34.501,
244.618


 42, 34.501,
244.618


 72, 34.501,
244.618

 32, 34.501,
244.618

 82, 34.501,
244.618

 22, 34.501,
244.618

 92, 34.501,
244.618

 12, 34.501,
244.618

 2, 34.501, 244.618

 0, 34.501, 244.618

■ 52, 34.501,
244.618

■ 52, 34.501,
244.618

■ 52, 34.474,
244.667

■ 53, 33.179,
240.438

■ 55, 31.573,
236.727

■ 57, 29.444,
233.680

■ 59, 26.731,
231.235

■ 61, 23.430,
229.307

■ 63, 19.577,
227.808

■ 65, 15.235,
226.658

■ 67, 10.477,

225.791

■ 70, 5.376, 225.172

Harmonies

Complementary

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



52, 34.501, 244.618



40, 73.843, 45.079

Rectangle

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



52, 34.501, 244.618



52, 34.501, 294.618



52, 34.501, 64.618



52, 34.501, 114.618

Sweetspot

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



52, 34.474, 244.667



82, 18.805, 226.710



63, 83.936, 139.381



42, 12.632, 227.151



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



52, 34.474, 244.667



66, 42.091, 245.537



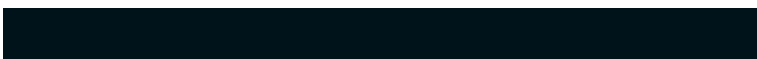
27, 81.705, 299.801



37, 3.074, 225.140



45, 30.909, 244.093



5, 7.483, 235.959

Inverse Universe

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



40, 72.894, 340.853



52, 88.354, 341.130



57, 63.390, 81.964



35, 5.697, 332.648



34, 65.665, 340.672



2, 12.813, 335.779

Previews

White Background



This preview shows how the CIE LCh color 52, 34.501, 244.618 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 CIE LCh color 52, 34.501, 244.618 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, 34.501, 244.618

Background



This preview shows how black text looks on a background with the CIELCh color 52, 34.501, 244.618.

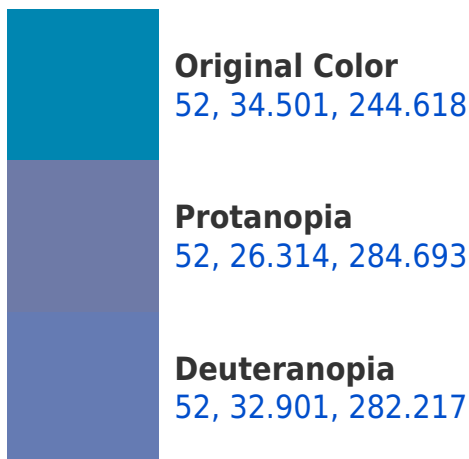


This preview shows how white text looks on a background with the CIELCh color 52, 34.501, 244.618.

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, 30.471, 208.924

Trichromacy



Original Color
52, 34.501, 244.618

Protanomaly
51, 29.856, 260.931

Deuteranomaly
51, 33.227, 262.877

Tritanomaly
52, 30.573, 221.999

Monochromacy



Original Color
52, 34.501, 244.618

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 18.122, 227.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 34.501, 244.618 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, 134, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 177)  
}
```

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, 134, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 34.501, 244.618 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, 134, 177) }
```

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

```
.border{ border-color:rgb(0, 134, 177) }
```

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

Here you see how a box with a 4 pixel rgb(0, 134, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 34.501, 244.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 177) }
```

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

```
.background{ background-color: rgb(0, 134,  
177) }
```

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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