

Converting Colors

CIELCh(48, 35.127, 252.509)

Have a look what the booklet for
CIELCh(48, 35.127, 252.509)
contains.

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Color

CIELCh(48, 35.103, 252.416)

Conversions

Conversions Part 1

Format	Color
Hex	007AAA
RGB	0, 122, 170
RGB Percent	0%, 48%, 67%
CMY	1.0000, 0.5219, 0.3337
CMYK	1.00, 0.28, 0.00, 0.33
HSL	197°, 100%, 33%
HSV	197°, 100%, 67%
XYZ	14.1916, 16.7945, 40.4777
YIQ	90.9940, -88.1200, -10.9360

Conversions

Conversions Part 2

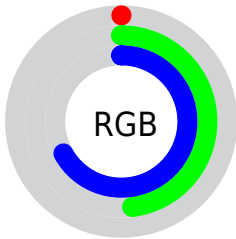
Format	Color
RYB	0, 71, 170
Decimal	31402
CIELab	48.00, -10.60, -33.46
CIELCh	48, 35.103, 252.416
Yxy	16.7945, 0.1986, 0.2350
Android (android.graphics.Color)	4278221482 (0xFF007AAA)
YUV	90.9940, 38.9500, -79.8017
Hunter-Lab	40.9810, -9.9030, -29.8751

Details

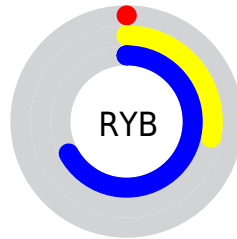
The CIELCh color **48, 35.103, 252.416** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 70.237, 46.812**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 35.332, 253.133**, and **30, 30.724, 266.216** is the 20% darker color. If you saturate the color by 10%, you get **48, 35.094, 252.435**, and if you desaturate by 10%, it is **50, 33.338, 247.853**.

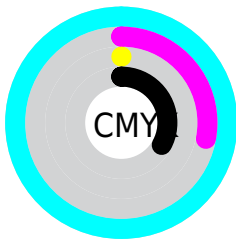
Distribution



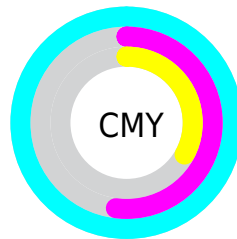
- Red (0%)
- Green (48%)
- Blue (67%)



- Red (0%)
- Yellow (28%)
- Blue (67%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (52%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 35.103, 252.416 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 48, 35.103, 252.416 by changing the saturation by 10% instead.


 48, 35.103,
252.416


 48, 35.103,
252.416


 100, 35.103,
252.416


 38, 35.103,
252.416

 68, 35.103,
252.416


 28, 35.103,
252.416

 78, 35.103,
252.416

 18, 35.103,
252.416

 88, 35.103,
252.416

 8, 35.103, 252.416

 98, 35.103,
252.416

 0, 35.103, 252.416

 48, 35.103,

 48, 35.103,

252.416

■ 48, 35.094,
252.435

252.416

■ 50, 33.338,
247.853

■ 51, 31.376,
243.737

■ 53, 29.001,
240.295

■ 55, 26.143,
237.488

■ 57, 22.785,
235.236

■ 60, 18.952,
233.452

■ 62, 14.696,
232.050

■ 64, 10.077,
230.961

Harmonies

Complementary

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



48, 35.103, 252.416



39, 70.237, 46.812

Rectangle

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



48, 35.103, 252.416



48, 35.103, 302.416



48, 35.103, 72.416



48, 35.103, 122.416

Sweetspot

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



48, 35.094, 252.435



79, 18.227, 232.118



61, 79.770, 140.306



41, 12.372, 232.658



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



48, 35.094, 252.435



62, 43.137, 253.426



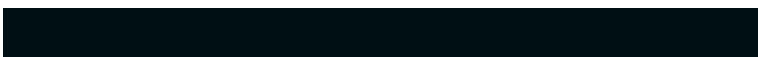
25, 82.610, 301.082



34, 2.902, 230.095



42, 31.553, 251.818



3, 5.395, 238.486

Inverse Universe

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



38, 68.957, 343.487



50, 83.856, 343.852



57, 62.228, 85.053



33, 5.276, 334.165



33, 62.404, 343.263



2, 9.067, 336.627

Previews

White Background



This preview shows how the CIE LCh color 48, 35.103, 252.416 looks on a white 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

Black Background



This preview shows how the CIE LCh color 48, 35.103, 252.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

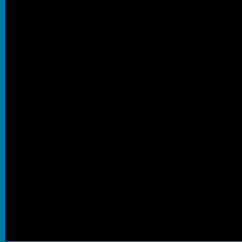
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 35.103, 252.416

Background



This preview shows how black text looks on a background with the CIELCh color 48, 35.103, 252.416.

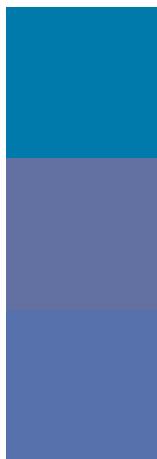


This preview shows how white text looks on a background with the CIELCh color 48, 35.103, 252.416.

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


48, 35.103, 252.416

Protanopia

48, 29.644, 285.236

Deuteranopia

48, 35.270, 281.516



Tritanopia
48, 28.691, 208.673

Trichromacy



Original Color
48, 35.103, 252.416

Protanomaly
47, 31.729, 265.658

Deuteranomaly
47, 35.175, 267.421

Tritanomaly
48, 29.041, 225.250

Monochromacy



Original Color
48, 35.103, 252.416

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 17.744, 236.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 35.103, 252.416 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, 122, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 170)  
}
```

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, 122, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 35.103, 252.416 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, 122, 170) }
```

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

```
.border{ border-color:rgb(0, 122, 170) }
```

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

Here you see how a box with a 4 pixel rgb(0, 122, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 35.103, 252.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 170) }
```

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

```
.background{ background-color: rgb(0, 122,  
170) }
```

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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