

Converting Colors

CIELCh(45, 54.075, 221.675)

Have a look what the booklet for
CIELCh(45, 54.075, 221.675)
contains.

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Color

CIELCh(49, 32.799, 243.960)

Conversions

Conversions Part 1

Format	Color
Hex	007EA6
RGB	0, 126, 166
RGB Percent	0%, 49%, 65%
CMY	1.0000, 0.5069, 0.3501
CMYK	1.00, 0.24, 0.00, 0.35
HSL	194°, 100%, 32%
HSV	194°, 100%, 65%
XYZ	14.2746, 17.5941, 38.5917
YIQ	92.8860, -87.9360, -14.2720

Conversions

Conversions Part 2

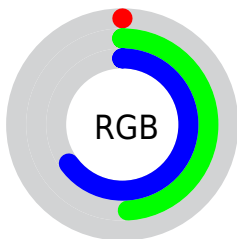
Format	Color
RYB	0, 72, 166
Decimal	32422
CIELab	49.00, -14.40, -29.47
CIElCh	49, 32.799, 243.960
Yxy	17.5941, 0.2026, 0.2497
Android (android.graphics.Color)	4278222502 (0xFF007EA6)
YUV	92.8860, 36.0452, -81.4610
Hunter-Lab	41.9453, -12.6580, -25.1880

Details

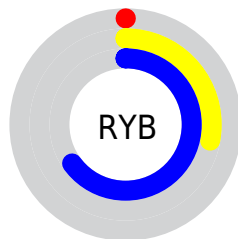
The CIELCh color **49, 32.799, 243.960** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **37, 70.350, 45.146**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 32.699, 243.342**, and **31, 27.518, 258.131** is the 20% darker color. If you saturate the color by 10%, you get **49, 32.769, 244.016**, and if you desaturate by 10%, it is **50, 31.537, 239.882**.

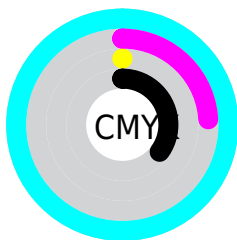
Distribution



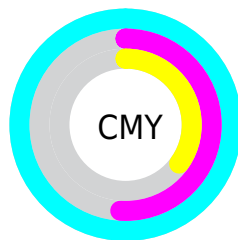
- Red (0%)
- Green (49%)
- Blue (65%)



- Red (0%)
- Yellow (28%)
- Blue (65%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (35%)





- Cyan (100%)
- Magenta (51%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 32.799, 243.960 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 49, 32.799, 243.960 by changing the saturation by 10% instead.


 49, 32.799,
243.960


 49, 32.799,
243.960


 100, 32.799,
243.960


 39, 32.799,
243.960

 69, 32.799,
243.960


 29, 32.799,
243.960

 79, 32.799,
243.960

 19, 32.799,
243.960

 89, 32.799,
243.960

 9, 32.799, 243.960

 99, 32.799,
243.960

 0, 32.799, 243.960

 49, 32.799,

 49, 32.799,

243.960

243.960

■ 49, 32.769,
244.016

■ 50, 31.537,
239.882

■ 52, 30.011,
236.242

■ 54, 27.984,
233.256

■ 55, 25.401,
230.862

■ 57, 22.259,
228.974

■ 59, 18.595,
227.506

■ 61, 14.469,
226.379

■ 63, 9.949, 225.531

Harmonies

Complementary

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



49, 32.799, 243.960



37, 70.350, 45.146

Rectangle

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



49, 32.799, 243.960



49, 32.799, 293.960



49, 32.799, 63.960



49, 32.799, 113.960

Sweetspot

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



49, 32.769, 244.016



77, 17.796, 226.433



59, 79.861, 139.473



40, 11.951, 226.851



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



49, 32.769, 244.016



62, 39.837, 244.919



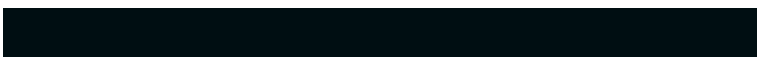
25, 77.529, 299.644



33, 2.857, 224.893



43, 29.686, 243.470



3, 4.483, 230.846

Inverse Universe

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



37, 69.658, 340.648



48, 84.059, 340.933



54, 60.464, 82.083



32, 5.297, 332.567



32, 63.380, 340.478



1, 7.883, 334.048

Previews

White Background



This preview shows how the CIE LCh color 49, 32.799, 243.960 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 49, 32.799, 243.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

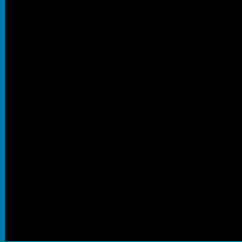
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 32.799, 243.960

Background



This preview shows how black text looks on a background with the CIELCh color 49, 32.799, 243.960.

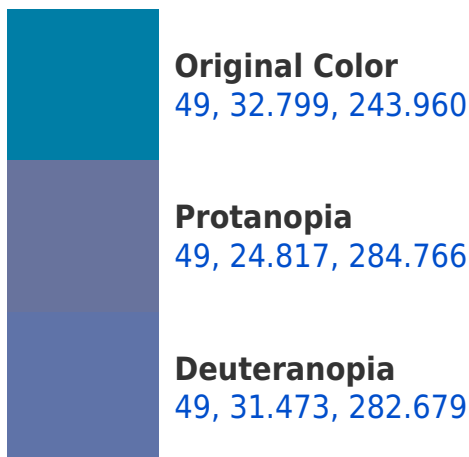


This preview shows how white text looks on a background with the CIELCh color 49, 32.799, 243.960.

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
49, 29.191, 208.408

Trichromacy



Original Color
49, 32.799, 243.960

Protanomaly
48, 27.842, 259.542

Deuteranomaly
48, 31.624, 262.935

Tritanomaly
49, 29.277, 222.211

Monochromacy



Original Color
49, 32.799, 243.960

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 17.215, 227.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 32.799, 243.960 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, 126, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 166)  
}
```

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, 126, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 32.799, 243.960 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, 126, 166) }
```

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

```
.border{ border-color:rgb(0, 126, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 32.799, 243.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 166) }
```

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

```
.background{ background-color: rgb(0, 126,  
166) }
```

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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