

Converting Colors

CIELCh(49, 33.235, 245.856)

Have a look what the booklet for
CIELCh(49, 33.235, 245.856)
contains.

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Color

CIELCh(49, 33.281, 246.226)

Conversions

Conversions Part 1

Format	Color
Hex	037DA7
RGB	3, 125, 167
RGB Percent	1%, 49%, 65%
CMY	0.9896, 0.5082, 0.3434
CMYK	0.98, 0.25, 0.00, 0.34
HSL	195°, 97%, 33%
HSV	195°, 98%, 66%
XYZ	14.4335, 17.5941, 39.4050
YIQ	93.3100, -86.1940, -12.8020

Conversions

Conversions Part 2

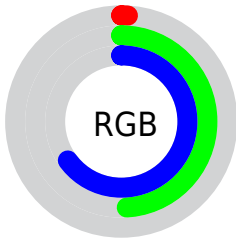
Format	Color
RYB	3, 73, 167
Decimal	228775
CIELab	49.00, -13.42, -30.46
CIElCh	49, 33.281, 246.226
Yxy	17.5941, 0.2021, 0.2463
Android (android.graphics.Color)	4278418855 (0xFF037DA7)
YUV	93.3100, 36.3292, -79.2019
Hunter-Lab	41.9453, -11.9820, -26.3375

Details

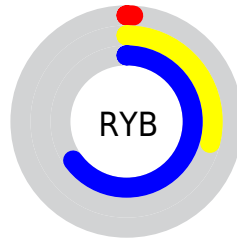
The CIELCh color **49, 33.281, 246.226** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **38, 69.335, 45.572**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 33.045, 245.610**, and **30, 28.372, 260.670** is the 20% darker color. If you saturate the color by 10%, you get **49, 33.507, 246.897**, and if you desaturate by 10%, it is **50, 31.877, 241.941**.

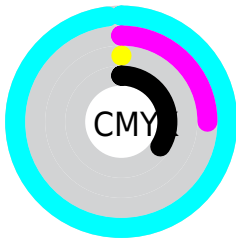
Distribution



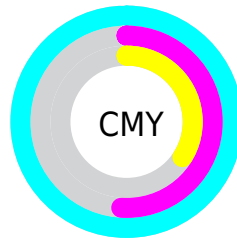
- Red (1%)
- Green (49%)
- Blue (65%)



- Red (1%)
- Yellow (29%)
- Blue (65%)



- Cyan (98%)
- Magenta (25%)
- Yellow (0%)
- Black (34%)




- Cyan (99%)
- Magenta (51%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 33.281, 246.226 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, 33.281, 246.226 by changing the saturation by 10% instead.


 49, 33.281,
246.226


 49, 33.281,
246.226


 100, 33.281,
246.226


 39, 33.281,
246.226

 69, 33.281,
246.226


 29, 33.281,
246.226

 79, 33.281,
246.226

 19, 33.281,
246.226

 89, 33.281,
246.226

 9, 33.281, 246.226

 99, 33.281,
246.226

 0, 33.281, 246.226

 49, 33.281,

 49, 33.281,

246.226

246.226

■ 49, 33.507,
246.897

■ 50, 31.877,
241.941

■ 52, 30.149,
238.230

■ 54, 27.933,
235.179

■ 56, 25.178,
232.727

■ 58, 21.885,
230.786

■ 60, 18.092,
229.269

■ 62, 13.857,
228.098

■ 64, 9.248, 227.208

Harmonies

Complementary

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



49, 33.281, 246.226



38, 69.335, 45.572

Rectangle

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



49, 33.281, 246.226



49, 33.281, 296.226



49, 33.281, 66.226



49, 33.281, 116.226

Sweetspot

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



49, 33.280, 246.227



78, 17.921, 228.320



60, 79.021, 140.120



40, 12.155, 228.783



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 33.280, 246.227



62, 40.828, 247.827



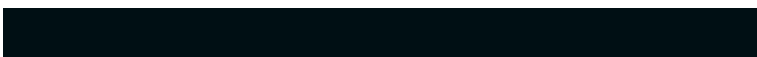
26, 78.656, 299.965



34, 2.918, 226.618



43, 30.501, 246.369



4, 5.382, 234.687

Inverse Universe

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



38, 69.357, 341.348



49, 83.981, 341.880



55, 60.829, 83.852



33, 5.381, 333.092



33, 63.565, 341.399



2, 9.271, 335.316

Previews

White Background



This preview shows how the CIELCh color 49, 33.281, 246.226 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, 33.281, 246.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

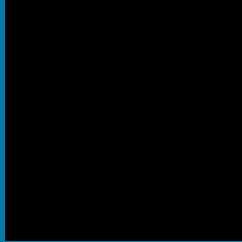
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 33.281, 246.226

Background



This preview shows how black text looks on a background with the CIELCh color 49, 33.281, 246.226.

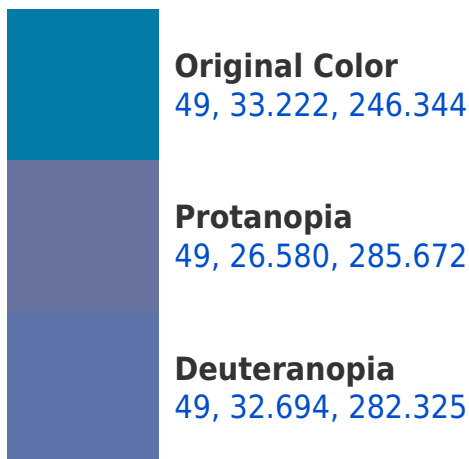


This preview shows how white text looks on a background with the CIELCh color 49, 33.281, 246.226.

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, 33.222, 246.344

Protanomaly
48, 29.029, 262.899

Deuteranomaly
48, 32.561, 264.358

Tritanomaly
49, 29.233, 222.256

Monochromacy



Original Color
49, 33.222, 246.344

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 17.200, 230.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 33.281, 246.226 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, 125, 167)` looks like.

```
.text, #text, p{  
    color:rgb(3, 125, 167)  
}
```

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, 125, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 125, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 33.281, 246.226 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, 125, 167) }
```

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

```
.border{ border-color:rgb(3, 125, 167) }
```

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

Here you see how a box with a 4 pixel rgb(3, 125, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 125, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 125, 167);  
box-shadow:4px 4px 4px 4px rgb(3, 125,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 33.281, 246.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 125, 167) }
```

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

```
.background{ background-color: rgb(3, 125,  
167) }
```

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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