

Converting Colors

CIELCh(49, 33.040, 245.675)

Have a look what the booklet for
CIELCh(49, 33.040, 245.675)
contains.

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Color

CIELCh(49, 33.193, 246.403)

Conversions

Conversions Part 1

Format	Color
Hex	057DA7
RGB	5, 125, 167
RGB Percent	2%, 49%, 65%
CMY	0.9787, 0.5084, 0.3436
CMYK	0.97, 0.25, 0.00, 0.34
HSL	196°, 94%, 34%
HSV	196°, 97%, 66%
XYZ	14.4545, 17.5941, 39.3723
YIQ	93.9080, -85.0020, -12.3780

Conversions

Conversions Part 2

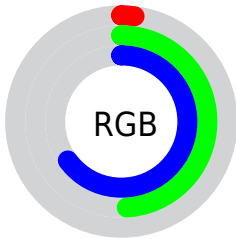
Format	Color
RYB	5, 74, 167
Decimal	359847
CIELab	49.00, -13.29, -30.42
CIELCh	49, 33.193, 246.403
Yxy	17.5941, 0.2024, 0.2463
Android (android.graphics.Color)	4278549927 (0xFF057DA7)
YUV	93.9080, 36.0344, -77.9723
Hunter-Lab	41.9453, -11.8926, -26.2914

Details

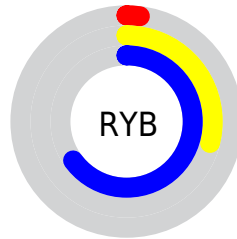
The CIELCh color **49, 33.193, 246.403** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **38, 68.051, 45.739**, and the grayscale version is **40, 0.006, 296.813**.

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, 33.670, 247.804**, and if you desaturate by 10%, it is **51, 31.716, 242.120**.

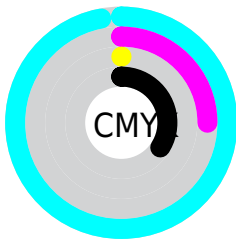
Distribution



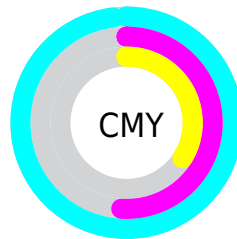
- Red (2%)
- Green (49%)
- Blue (65%)



- Red (2%)
- Yellow (29%)
- Blue (65%)



- Cyan (97%)
- Magenta (25%)
- Yellow (0%)
- Black (34%)





- Cyan (98%)
- Magenta (51%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 33.193, 246.403 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, 33.193, 246.403 by changing the saturation by 10% instead.


 49, 33.193,
246.403


 49, 33.193,
246.403


 100, 33.193,
246.403


 39, 33.193,
246.403

 69, 33.193,
246.403


 29, 33.193,
246.403

 79, 33.193,
246.403

 19, 33.193,
246.403

 89, 33.193,
246.403

 9, 33.193, 246.403

 99, 33.193,
246.403

 0, 33.193, 246.403

 49, 33.193,

 49, 33.193,

246.403

246.403

■ 49, 33.670,
247.804

■ 51, 31.716,
242.120

■ 52, 29.873,
238.469

■ 54, 27.541,
235.476

■ 56, 24.675,
233.072

■ 58, 21.283,
231.171

■ 60, 17.405,
229.684

■ 62, 13.102,
228.535

■ 65, 8.440, 227.663

Harmonies

Complementary

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



49, 33.193, 246.403



38, 68.051, 45.739

Rectangle

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



49, 33.193, 246.403



49, 33.193, 296.403



49, 33.193, 66.403



49, 33.193, 116.403

Sweetspot

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



49, 33.192, 246.404



78, 17.371, 228.822



60, 78.265, 140.387



40, 11.852, 229.291



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, 33.192, 246.404



62, 41.052, 248.744



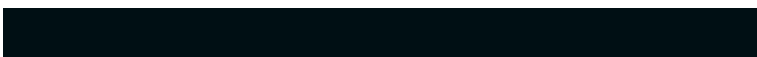
26, 77.273, 299.503



34, 2.915, 227.179



43, 30.653, 247.272



4, 5.382, 235.311

Inverse Universe

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



38, 68.974, 341.401



49, 83.721, 342.189



55, 60.420, 84.145



33, 5.363, 333.263



33, 63.372, 341.695



2, 9.237, 335.527

Previews

White Background



This preview shows how the CIE LCh color 49, 33.193, 246.403 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, 33.193, 246.403 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, 33.193, 246.403

Background



This preview shows how black text looks on a background with the CIELCh color 49, 33.193, 246.403.

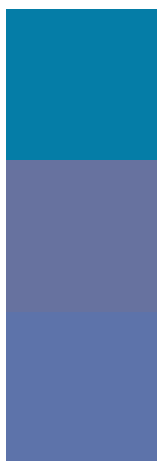


This preview shows how white text looks on a background with the CIELCh color 49, 33.193, 246.403.

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

49, 33.164, 246.462

Protanopia

49, 26.580, 285.672

Deuteranopia

49, 32.694, 282.325



Tritanopia
49, 29.191, 208.408

Trichromacy



Original Color
49, 33.164, 246.462

Protanomaly
48, 28.930, 263.301

Deuteranomaly
48, 32.478, 264.672

Tritanomaly
49, 29.189, 222.300

Monochromacy



Original Color
49, 33.164, 246.462

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 16.992, 233.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 33.193, 246.403 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(5, 125, 167)` looks like.

```
.text, #text, p{  
    color:rgb(5, 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(5, 125, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 125, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 33.193, 246.403 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(5, 125, 167) }
```

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

```
.border{ border-color:rgb(5, 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(5, 125, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 125, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 125, 167);  
box-shadow:4px 4px 4px 4px rgb(5, 125,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 33.193, 246.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 125, 167) }
```

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

```
.background{ background-color: rgb(5, 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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