

Converting Colors

CIELCh(49, 26.231, 222.357)

Have a look what the booklet for
CIELCh(49, 26.231, 222.357)
contains.

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Color

CIELCh(49, 26.265, 222.653)

Conversions

Conversions Part 1

Format	Color
Hex	257F92
RGB	37, 127, 146
RGB Percent	15%, 50%, 57%
CMY	0.8559, 0.5026, 0.4281
CMYK	0.75, 0.13, 0.00, 0.43
HSL	190°, 60%, 36%
HSV	190°, 75%, 57%
XYZ	13.4967, 17.5941, 29.8089
YIQ	102.2560, -59.7390, -13.1710

Conversions

Conversions Part 2

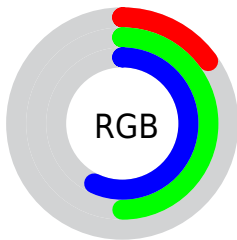
Format	Color
RYB	37, 86, 146
Decimal	2457490
CIELab	49.00, -19.32, -17.80
CIElCh	49, 26.265, 222.653
Yxy	17.5941, 0.2216, 0.2889
Android (android.graphics.Color)	4280647570 (0xFF257F92)
YUV	102.2560, 21.5658, -57.2295
Hunter-Lab	41.9453, -15.9685, -12.7735

Details

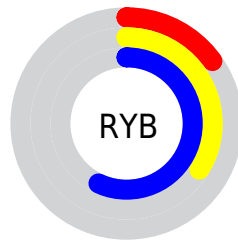
The CIELCh color **49, 26.265, 222.653** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 48.188, 40.021**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 26.258, 222.660**, and **30, 21.141, 228.518** is the 20% darker color. If you saturate the color by 10%, you get **48, 27.583, 224.908**, and if you desaturate by 10%, it is **50, 24.359, 220.874**.

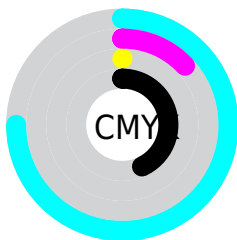
Distribution



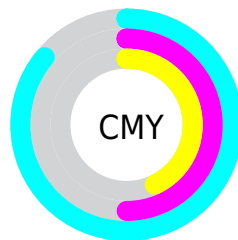
- Red (15%)
- Green (50%)
- Blue (57%)



- Red (15%)
- Yellow (34%)
- Blue (57%)



- Cyan (75%)
- Magenta (13%)
- Yellow (0%)
- Black (43%)




- Cyan (86%)
- Magenta (50%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 26.265, 222.653 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, 26.265, 222.653 by changing the saturation by 10% instead.


 49, 26.265,
222.653


 49, 26.265,
222.653


 100, 26.265,
222.653

 39, 26.265,
222.653

 69, 26.265,
222.653


 29, 26.265,
222.653

 79, 26.265,
222.653

 19, 26.265,
222.653

 89, 26.265,
222.653

 9, 26.265, 222.653

 99, 26.265,
222.653

 0, 26.265, 222.653

 49, 26.265,

 49, 26.265,

222.653

■ 48, 27.583,
224.908

■ 47, 28.376,
227.690

■ 46, 28.721,
229.212

222.653

■ 50, 24.359,
220.874

■ 52, 21.864,
219.504

■ 53, 18.813,
218.474

■ 54, 15.261,
217.722

■ 56, 11.279,
217.197

■ 58, 6.938, 216.864

■ 60, 2.306, 216.773

■ 61, 2.554, 36.307

■ 63, 7.587, 36.398

Harmonies

Complementary

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



49, 26.265, 222.653



36, 48.188, 40.021

Rectangle

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



49, 26.265, 222.653



49, 26.265, 272.653



49, 26.265, 42.653



49, 26.265, 92.653

Sweetspot

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



49, 26.264, 222.652



72, 12.444, 217.103



53, 62.732, 141.808



37, 8.271, 217.198



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 26.264, 222.652



60, 34.086, 226.814



32, 46.016, 287.212



30, 2.719, 216.764



44, 27.544, 229.019



2, 2.434, 216.539

Inverse Universe

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



36, 60.161, 334.452



44, 79.269, 335.758



49, 44.706, 81.038



29, 5.119, 330.157



31, 64.011, 336.388



1, 4.449, 329.639

Previews

White Background



This preview shows how the CIELCh color 49, 26.265, 222.653 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 CIELCh color 49, 26.265, 222.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

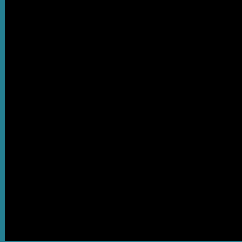
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 26.265, 222.653

Background



This preview shows how black text looks on a background with the CIELCh color 49, 26.265, 222.653.

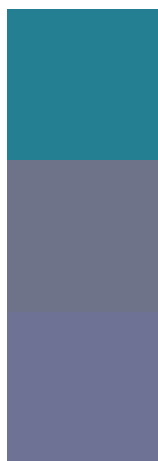


This preview shows how white text looks on a background with the CIELCh color 49, 26.265, 222.653.

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, 26.265, 222.653

Protanopia

49, 12.989, 285.322

Deuteranopia

49, 20.594, 288.915



Tritanopia
49, 26.769, 209.706

Trichromacy



Original Color
49, 26.265, 222.653

Protanomaly
48, 16.777, 246.428

Deuteranomaly
48, 20.266, 256.645

Tritanomaly
49, 26.535, 213.901

Monochromacy



Original Color
49, 26.265, 222.653

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 12.572, 217.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 26.265, 222.653 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(37, 127, 146)` looks like.

```
.text, #text, p{  
    color:rgb(37, 127, 146)  
}
```

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(37, 127, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 127, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 26.265, 222.653 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(37, 127, 146) }
```

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

```
.border{ border-color:rgb(37, 127, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 127, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 127, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 127, 146);  
box-shadow:4px 4px 4px 4px rgb(37, 127,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 26.265, 222.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 127, 146) }
```

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

```
.background{ background-color: rgb(37, 127,  
146) }
```

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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