

Converting Colors

CIELCh(49, 29.722, 246.319)

Have a look what the booklet for
CIELCh(49, 29.722, 246.319)
contains.

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Color

CIELCh(49, 29.791, 247.078)

Conversions

Conversions Part 1

Format	Color
Hex	297CA2
RGB	41, 124, 162
RGB Percent	16%, 49%, 64%
CMY	0.8374, 0.5125, 0.3634
CMYK	0.74, 0.23, 0.00, 0.36
HSL	199°, 59%, 40%
HSV	199°, 74%, 64%
XYZ	14.7299, 17.5941, 36.9541
YIQ	103.5150, -61.6660, -5.7780

Conversions

Conversions Part 2

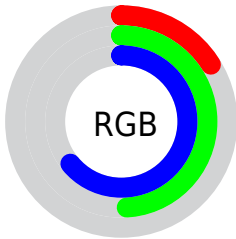
Format	Color
R _Y B	41, 90, 162
Decimal	2718882
CIE Lab	49.00, -11.60, -27.44
CIE LCh	49, 29.791, 247.078
Yxy	17.5941, 0.2126, 0.2540
Android (android.graphics.Color)	4280908962 (0xFF297CA2)
YUV	103.5150, 28.8331, -54.8257
Hunter-Lab	41.9453, -10.7207, -22.8733

Details

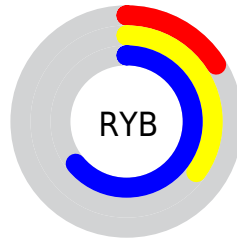
The CIELCh color **49, 29.791, 247.078** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **44, 48.858, 49.901**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 29.624, 246.607**, and **30, 26.509, 256.789** is the 20% darker color. If you saturate the color by 10%, you get **47, 32.222, 251.040**, and if you desaturate by 10%, it is **51, 26.987, 243.768**.

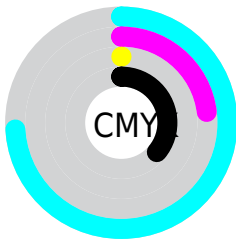
Distribution



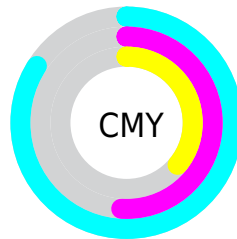
- Red (16%)
- Green (49%)
- Blue (64%)



- Red (16%)
- Yellow (35%)
- Blue (64%)



- Cyan (74%)
- Magenta (23%)
- Yellow (0%)
- Black (36%)




- Cyan (84%)
- Magenta (51%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 29.791, 247.078 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, 29.791, 247.078 by changing the saturation by 10% instead.


 49, 29.791,
247.078


 49, 29.791,
247.078


 100, 29.791,
247.078


 39, 29.791,
247.078

 69, 29.791,
247.078


 29, 29.791,
247.078

 79, 29.791,
247.078

 19, 29.791,
247.078

 89, 29.791,
247.078

 9, 29.791, 247.078

 99, 29.791,
247.078

 0, 29.791, 247.078

 49, 29.791,

 49, 29.791,

247.078

■ 47, 32.222,
251.040

■ 45, 34.384,
255.637

■ 44, 35.587,
258.232

247.078

■ 51, 26.987,
243.768

■ 53, 23.768,
241.060

■ 56, 20.132,
238.873

■ 58, 16.110,
237.124

■ 60, 11.751,
235.734

■ 63, 7.108, 234.642

■ 66, 2.236, 233.885

■ 68, 2.817, 52.834

■ 71, 8.007, 52.366

Harmonies

Complementary

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



49, 29.791, 247.078



44, 48.858, 49.901

Rectangle

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



49, 29.791, 247.078



49, 29.791, 297.078



49, 29.791, 67.078



49, 29.791, 117.078

Sweetspot

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



49, 29.790, 247.078



78, 13.186, 235.488



59, 61.800, 146.021



40, 8.874, 235.798



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, 29.790, 247.078



59, 40.916, 253.833



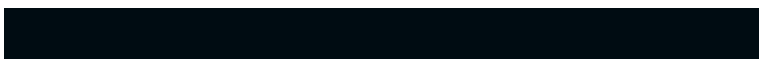
32, 60.693, 295.038



33, 2.823, 234.189



40, 32.663, 257.710



3, 4.499, 240.476

Inverse Universe

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



39, 59.549, 341.504



48, 78.528, 343.994



58, 52.202, 91.523



32, 5.026, 335.473



32, 60.393, 345.526



1, 7.450, 337.342

Previews

White Background



This preview shows how the CIELCh color 49, 29.791, 247.078 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, 29.791, 247.078 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, 29.791, 247.078

Background



This preview shows how black text looks on a background with the CIELCh color 49, 29.791, 247.078.



This preview shows how white text looks on a background with the CIELCh color 49, 29.791, 247.078.

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, 29.791, 247.078

Protanopia

49, 24.240, 285.257

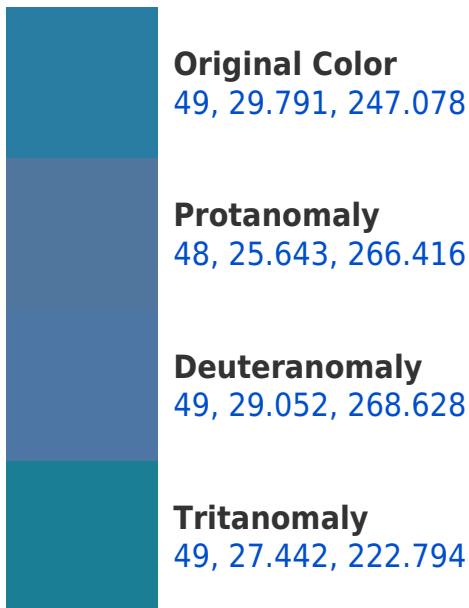
Deuteranopia

49, 29.638, 283.354

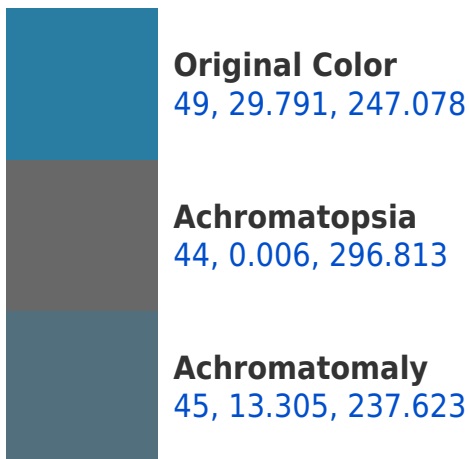


Tritanopia
49, 28.193, 208.917

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 29.791, 247.078 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(41, 124, 162)` looks like.

```
.text, #text, p{  
    color:rgb(41, 124, 162)  
}
```

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(41, 124, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 124, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 29.791, 247.078 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(41, 124, 162) }
```

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

```
.border{ border-color:rgb(41, 124, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 124, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 124, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 124, 162);  
box-shadow:4px 4px 4px 4px rgb(41, 124,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 29.791, 247.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 124, 162) }
```

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

```
.background{ background-color: rgb(41, 124,  
162) }
```

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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