

Converting Colors

CIELCh(49, 30.602, 266.677)

Have a look what the booklet for
CIELCh(49, 30.602, 266.677)
contains.

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Color

CIELCh(49, 30.627, 266.772)

Conversions

Conversions Part 1

Format	Color
Hex	4878A8
RGB	72, 120, 168
RGB Percent	28%, 47%, 66%
CMY	0.7182, 0.5299, 0.3417
CMYK	0.57, 0.29, 0.00, 0.34
HSL	210°, 40%, 47%
HSV	210°, 57%, 66%
XYZ	16.4157, 17.5941, 39.5059
YIQ	111.1200, -44.0160, 4.7520

Conversions

Conversions Part 2

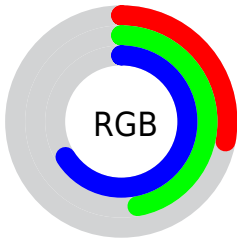
Format	Color
R_{YB}	72, 104, 168
Decimal	4749480
CIE _{Lab}	49.00, -1.72, -30.58
CIE _{LCh}	49, 30.627, 266.772
Yxy	17.5941, 0.2233, 0.2393
Android (android.graphics.Color)	4282939560 (0xFF4878A8)
YUV	111.1200, 28.0418, -34.3082
Hunter-Lab	41.9453, -3.5464, -26.4802

Details

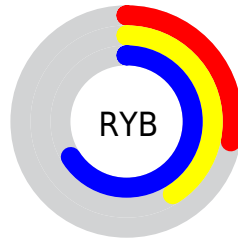
The CIELCh color **49, 30.627, 266.772** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **54, 36.087, 68.328**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 30.500, 266.472**, and **29, 30.675, 267.080** is the 20% darker color. If you saturate the color by 10%, you get **46, 35.676, 270.095**, and if you desaturate by 10%, it is **52, 25.492, 263.925**.

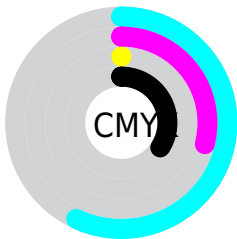
Distribution



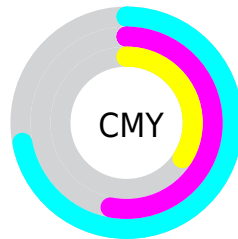
- Red (28%)
- Green (47%)
- Blue (66%)



- Red (28%)
- Yellow (41%)
- Blue (66%)



- Cyan (57%)
- Magenta (29%)
- Yellow (0%)
- Black (34%)



- Cyan (72%)
- Magenta (53%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 30.627, 266.772 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, 30.627, 266.772 by changing the saturation by 10% instead.

■ 49, 30.627,
266.772

■ 49, 30.627,
266.772

■ 100, 30.627,
266.772

■ 39, 30.627,
266.772

■ 69, 30.627,
266.772

■ 29, 30.627,
266.772

■ 79, 30.627,
266.772

■ 19, 30.627,
266.772

■ 89, 30.627,
266.772

■ 9, 30.627, 266.772

■ 99, 30.627,
266.772

■ 0, 30.627, 266.772

■ 49, 30.627,

■ 49, 30.627,

266.772

266.772

■ 46, 35.676,
270.095

■ 52, 25.492,
263.925

■ 43, 40.690,
273.894

■ 56, 20.255,
261.514

■ 40, 45.741,
278.107

■ 59, 14.916,
259.486

■ 37, 50.918,
282.538

■ 63, 9.488, 257.785

■ 36, 52.417,
283.708

■ 66, 3.991, 256.386

■ 70, 1.553, 74.869

■ 73, 7.123, 73.984

■ 77, 12.702, 73.103

■ 81, 18.273, 72.330

Harmonies

Complementary

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



49, 30.627, 266.772



54, 36.087, 68.328

Rectangle

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



49, 30.627, 266.772



49, 30.627, 316.772



49, 30.627, 86.772



49, 30.627, 136.772

Sweetspot

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



49, 30.626, 266.772



80, 11.659, 257.804



62, 43.647, 156.616



41, 7.778, 258.105



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, 30.626, 266.772



58, 45.427, 271.215



36, 58.133, 298.232



34, 3.143, 256.651



32, 47.274, 283.194



2, 6.102, 262.562

Inverse Universe

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



45, 45.458, 350.017



53, 65.248, 352.513



67, 49.562, 104.138



33, 4.530, 344.358



31, 56.546, 1.168



2, 7.801, 347.574

Previews

White Background



This preview shows how the CIE LCh color 49, 30.627, 266.772 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, 30.627, 266.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

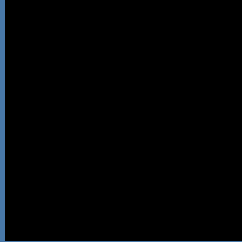
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

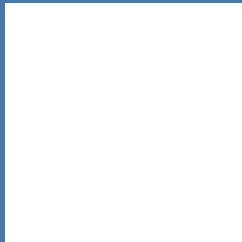
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 30.627, 266.772

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.627, 266.772.

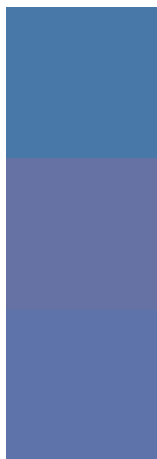


This preview shows how white text looks on a background with the CIELCh color 49, 30.627, 266.772.

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, 30.627, 266.772

Protanopia

49, 28.948, 285.473

Deuteranopia

49, 32.084, 282.493



Tritanopia
49, 21.696, 213.242

Trichromacy



Original Color
49, 30.627, 266.772

Protanomaly
49, 29.531, 277.919

Deuteranomaly
49, 31.460, 276.697

Tritanomaly
49, 22.521, 237.062

Monochromacy



Original Color
49, 30.627, 266.772

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 12.128, 260.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.627, 266.772 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(72, 120, 168)` looks like.

```
.text, #text, p{  
    color:rgb(72, 120, 168)  
}
```

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(72, 120, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 120, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.627, 266.772 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(72, 120, 168) }
```

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

```
.border{ border-color:rgb(72, 120, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 120, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 120, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 120, 168);  
box-shadow:4px 4px 4px 4px rgb(72, 120,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.627, 266.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 120, 168) }
```

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

```
.background{ background-color: rgb(72, 120,  
168) }
```

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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