

Converting Colors

CIELCh(49, 44.294, 279.486)

Have a look what the booklet for
CIELCh(49, 44.294, 279.486)
contains.

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Color

CIELCh(49, 43.798, 278.893)

Conversions

Conversions Part 1

Format	Color
Hex	4475BE
RGB	68, 117, 190
RGB Percent	27%, 46%, 75%
CMY	0.7344, 0.5421, 0.2559
CMYK	0.64, 0.38, 0.00, 0.26
HSL	216°, 48%, 50%
HSV	216°, 64%, 74%
XYZ	17.9645, 17.5941, 51.0180
YIQ	110.6710, -52.6370, 12.3150

Conversions

Conversions Part 2

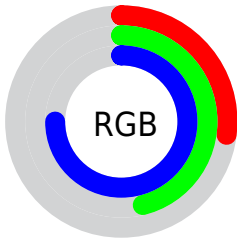
Format	Color
R _{YB}	68, 103, 190
Decimal	4486590
CIE Lab	49.00, 6.77, -43.27
CIE LCh	49, 43.798, 278.893
Yxy	17.5941, 0.2075, 0.2032
Android (android.graphics.Color)	4282676670 (0xFF4475BE)
YUV	110.6710, 39.1092, -37.4225
Hunter-Lab	41.9453, 3.0446, -42.7527

Details

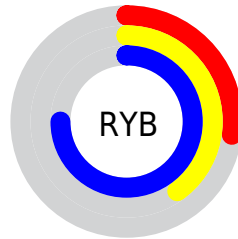
The CIELCh color **49, 43.798, 278.893** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **62, 46.594, 76.455**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 43.768, 278.758**, and **29, 43.519, 282.086** is the 20% darker color. If you saturate the color by 10%, you get **45, 50.875, 282.382**, and if you desaturate by 10%, it is **53, 36.844, 275.806**.

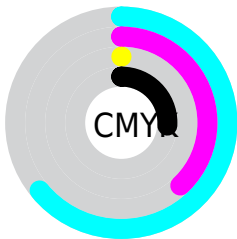
Distribution



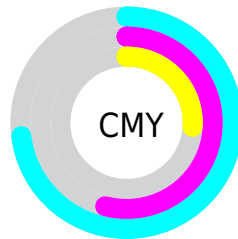
- Red (27%)
- Green (46%)
- Blue (75%)



- Red (27%)
- Yellow (40%)
- Blue (75%)



- Cyan (64%)
- Magenta (38%)
- Yellow (0%)
- Black (26%)



- Cyan (73%)
- Magenta (54%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 43.798, 278.893 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, 43.798, 278.893 by changing the saturation by 10% instead.

■ 49, 43.798,
278.893

■ 49, 43.798,
278.893

■ 100, 43.798,
278.893

■ 39, 43.798,
278.893

■ 69, 43.798,
278.893

■ 29, 43.798,
278.893

■ 79, 43.798,
278.893

■ 19, 43.798,
278.893

■ 89, 43.798,
278.893

■ 9, 43.798, 278.893

■ 99, 43.798,
278.893

■ 0, 43.798, 278.893

■ 49, 43.798,

■ 49, 43.798,

278.893

■ 45, 50.875,
282.382

■ 41, 58.126,
286.198

■ 38, 65.560,
290.187

■ 36, 69.864,
292.355

278.893

■ 53, 36.844,
275.806

■ 57, 29.970,
273.131

■ 62, 23.145,
270.840

■ 66, 16.357,
268.890

■ 71, 9.603, 267.236

■ 75, 2.889, 265.881

■ 79, 3.777, 84.487

■ 84, 10.384, 83.478

■ 88, 16.925, 82.570

Harmonies

Complementary

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



49, 43.798, 278.893



62, 46.594, 76.455

Rectangle

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



49, 43.798, 278.893



49, 43.798, 328.893



49, 43.798, 98.893



49, 43.798, 148.893

Sweetspot

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



49, 43.797, 278.894



87, 15.833, 268.028



69, 48.509, 160.842



45, 10.994, 268.519



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



49, 43.797, 278.894



57, 65.549, 283.854



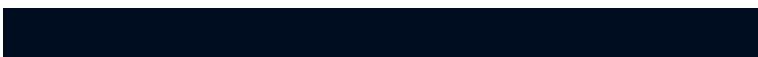
37, 74.195, 302.017



38, 3.781, 266.518



30, 60.152, 291.774



3, 12.692, 275.238

Inverse Universe

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



47, 53.242, 358.321



57, 74.755, 2.319



74, 61.358, 108.461



37, 4.677, 350.079



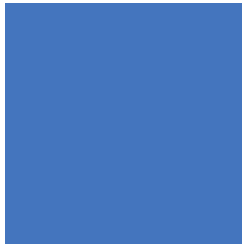
33, 59.245, 10.794



3, 13.303, 357.230

Previews

White Background



This preview shows how the CIE LCh color 49, 43.798, 278.893 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, 43.798, 278.893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

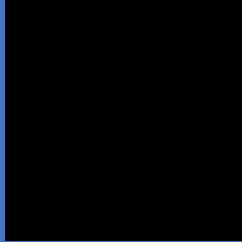
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

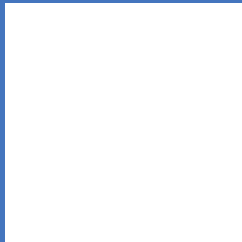
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 43.798, 278.893

Background



This preview shows how black text looks on a background with the CIELCh color 49, 43.798, 278.893.



This preview shows how white text looks on a background with the CIELCh color 49, 43.798, 278.893.

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, 43.798, 278.893

Protanopia

49, 43.663, 286.065

Deuteranopia

49, 44.260, 280.086



Tritanopia
49, 25.720, 210.331

Trichromacy



Original Color
49, 43.798, 278.893

Protanomaly
49, 43.885, 283.539

Deuteranomaly
49, 44.302, 279.835

Tritanomaly
49, 27.336, 243.605

Monochromacy



Original Color
49, 43.798, 278.893

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 16.861, 271.525

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 43.798, 278.893 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(68, 117, 190)` looks like.

```
.text, #text, p{  
    color:rgb(68, 117, 190)  
}
```

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(68, 117, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 117, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 43.798, 278.893 is called "border". The border property can be set on classes, ids or directly on the HTML element.

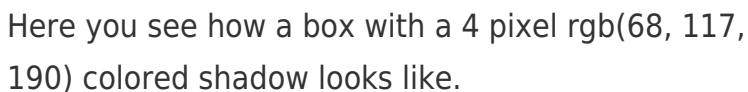
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 117, 190) }
```

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

```
.border{ border-color:rgb(68, 117, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(68, 117, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(68, 117, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(68, 117, 190); box-shadow:4px 4px 4px 4px rgb(68, 117, 190) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 43.798, 278.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 117, 190) }
```

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

```
.background{ background-color: rgb(68, 117,  
190) }
```

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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