

Converting Colors

CIELCh(48, 39.630, 278.651)

Have a look what the booklet for
CIELCh(48, 39.630, 278.651)
contains.

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Color

CIELCh(48, 39.779, 278.868)

Conversions

Conversions Part 1

Format	Color
Hex	4972B4
RGB	73, 114, 180
RGB Percent	29%, 45%, 71%
CMY	0.7130, 0.5523, 0.2935
CMYK	0.59, 0.37, 0.00, 0.29
HSL	217°, 42%, 50%
HSV	217°, 59%, 71%
XYZ	17.0510, 16.7945, 45.6127
YIQ	109.2650, -45.6220, 11.8340

Conversions

Conversions Part 2

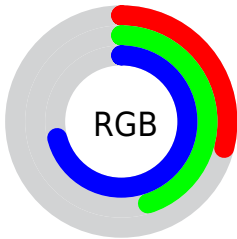
Format	Color
R _Y B	73, 103, 180
Decimal	4813492
CIE Lab	48.00, 6.13, -39.30
CIE LCh	48, 39.779, 278.868
Yxy	16.7945, 0.2146, 0.2114
Android (android.graphics.Color)	4283003572 (0xFF4972B4)
YUV	109.2650, 34.8724, -31.8044
Hunter-Lab	40.9810, 2.5517, -37.3042

Details

The CIELCh color $48, 39.779, 278.868$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $61, 41.509, 78.943$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 39.426, 278.594$, and $28, 39.542, 279.599$ is the 20% darker color. If you saturate the color by 10%, you get $44, 46.775, 282.096$, and if you desaturate by 10%, it is $52, 32.906, 276.038$.

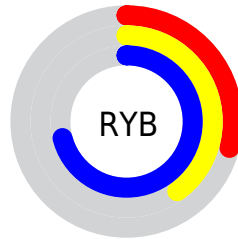
Distribution



Red (29%)

Green (45%)

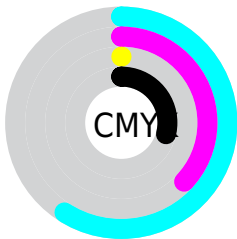
Blue (71%)



Red (29%)

Yellow (40%)

Blue (71%)

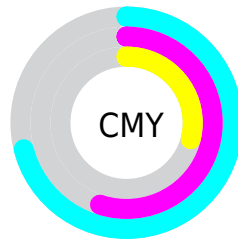


Cyan (59%)

Magenta (37%)

Yellow (0%)

Black (29%)



Cyan (71%)

Magenta (55%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 39.779, 278.868 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 48, 39.779, 278.868 by changing the saturation by 10% instead.

■ 48, 39.779,
278.868

■ 48, 39.779,
278.868

■ 100, 39.779,
278.868

■ 38, 39.779,
278.868

■ 68, 39.779,
278.868

■ 28, 39.779,
278.868

■ 78, 39.779,
278.868

■ 18, 39.779,
278.868

■ 88, 39.779,
278.868

■ 8, 39.779, 278.868

■ 98, 39.779,
278.868

■ 0, 39.779, 278.868

■ 48, 39.779,

■ 48, 39.779,

278.868

278.868

■ 44, 46.775,
282.096

■ 52, 32.906,
276.038

■ 40, 53.940,
285.679

■ 56, 26.124,
273.596

■ 37, 61.290,
289.502

■ 61, 19.407,
271.508

■ 33, 68.786,
293.290

■ 65, 12.748,
269.730

■ 33, 69.255,
293.506

■ 69, 6.146, 268.225

■ 74, 0.396, 86.226

■ 78, 6.870, 85.707

■ 82, 13.271, 84.744

■ 87, 19.591, 83.892

Harmonies

Complementary

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



48, 39.779, 278.868



61, 41.509, 78.943

Rectangle

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



48, 39.779, 278.868



48, 39.779, 328.868



48, 39.779, 98.868



48, 39.779, 148.868

Sweetspot

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



48, 39.778, 278.869



83, 14.667, 269.555



67, 42.301, 163.696



43, 10.196, 270.029



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



48, 39.778, 278.869



56, 59.447, 283.077



38, 65.184, 301.857



35, 3.682, 268.216



28, 60.554, 292.981



3, 9.725, 274.019

Inverse Universe

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



47, 47.453, 358.515



55, 67.737, 1.830



71, 55.227, 110.351



35, 4.416, 351.265



32, 58.010, 12.460



2, 10.015, 356.254

Previews

White Background



This preview shows how the CIE LCh color 48, 39.779, 278.868 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 48, 39.779, 278.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

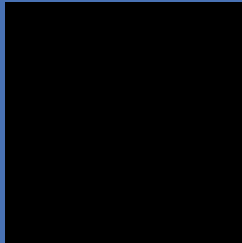
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 39.779, 278.868

Background



This preview shows how black text looks on a background with the CIELCh color 48, 39.779, 278.868.

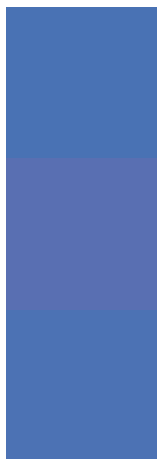


This preview shows how white text looks on a background with the CIELCh color 48, 39.779, 278.868.

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


48, 39.779, 278.868

Protanopia

48, 39.687, 285.936

Deuteranopia

48, 39.632, 279.814



Tritanopia
48, 22.475, 212.635

Trichromacy



Original Color
48, 39.779, 278.868

Protanomaly
48, 39.891, 283.324

Deuteranomaly
48, 39.681, 279.494

Tritanomaly
48, 24.684, 246.480

Monochromacy



Original Color
48, 39.779, 278.868

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 15.039, 271.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 39.779, 278.868 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(73, 114, 180)` looks like.

```
.text, #text, p{  
    color:rgb(73, 114, 180)  
}
```

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(73, 114, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 114, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 39.779, 278.868 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(73, 114, 180) }
```

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

```
.border{ border-color:rgb(73, 114, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 114, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 114, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 114, 180); box-shadow:4px 4px 4px 4px rgb(73, 114, 180) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 39.779, 278.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 114, 180) }
```

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

```
.background{ background-color: rgb(73, 114,  
180) }
```

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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