

Converting Colors

CIELCh(48, 43.990, 278.970)

Have a look what the booklet for
CIELCh(48, 43.990, 278.970)
contains.

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Color

CIELCh(48, 43.990, 278.970)

Conversions

Conversions Part 1

Format	Color
Hex	4072BB
RGB	64, 114, 187
RGB Percent	25%, 45%, 73%
CMY	0.7477, 0.5519, 0.2655
CMYK	0.66, 0.39, 0.00, 0.27
HSL	216°, 49%, 49%
HSV	216°, 66%, 73%
XYZ	17.1831, 16.7945, 49.5122
YIQ	107.3720, -53.2330, 12.1030

Conversions

Conversions Part 2

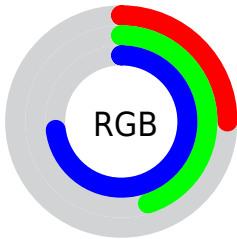
Format	Color
R _Y B	64, 100, 187
Decimal	4223675
CIE Lab	48.00, 6.86, -43.45
CIE LCh	48, 43.990, 278.970
Yxy	16.7945, 0.2058, 0.2012
Android (android.graphics.Color)	4282413755 (0xFF4072BB)
YUV	107.3720, 39.2566, -38.0372
Hunter-Lab	40.9810, 3.1272, -42.9459

Details

The CIELCh color **48, 43.990, 278.970** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **61, 47.006, 75.892**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 44.446, 279.241**, and **29, 43.038, 282.346** is the 20% darker color. If you saturate the color by 10%, you get **44, 50.948, 282.516**, and if you desaturate by 10%, it is **52, 37.155, 275.825**.

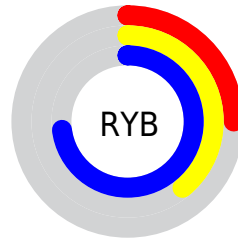
Distribution



Red (25%)

Green (45%)

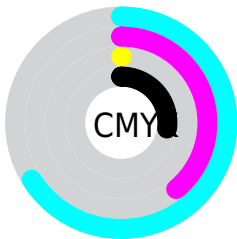
Blue (73%)



Red (25%)

Yellow (39%)

Blue (73%)

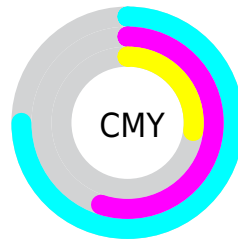


Cyan (66%)

Magenta (39%)

Yellow (0%)

Black (27%)



Cyan (75%)


Magenta (55%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 43.990, 278.970 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, 43.990, 278.970 by changing the saturation by 10% instead.


 48, 43.990,
278.970


 48, 43.990,
278.970


 100, 43.990,
278.970


 38, 43.990,
278.970

 68, 43.990,
278.970


 28, 43.990,
278.970

 78, 43.990,
278.970

 18, 43.990,
278.970

 88, 43.990,
278.970

 8, 43.990, 278.970

 98, 43.990,
278.970

 0, 43.990, 278.970

 48, 43.990,

 48, 43.990,

278.970

■ 44, 50.948,
282.516

■ 40, 58.077,
286.377

■ 37, 65.386,
290.386

■ 36, 68.623,
292.030

278.970

■ 52, 37.155,
275.825

■ 56, 30.397,
273.093

■ 61, 23.684,
270.753

■ 65, 17.001,
268.760

■ 69, 10.348,
267.069

■ 74, 3.728, 265.665

■ 78, 2.848, 84.245

■ 82, 9.372, 83.237

■ 87, 15.834, 82.314

Harmonies

Complementary

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



48, 43.990, 278.970



61, 47.006, 75.892

Rectangle

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



48, 43.990, 278.970



48, 43.990, 328.970



48, 43.990, 98.970



48, 43.990, 148.970

Sweetspot

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



48, 43.989, 278.971



85, 16.319, 267.824



68, 48.794, 160.629



44, 11.232, 268.310



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



48, 43.989, 278.971



55, 65.768, 284.268



36, 75.038, 302.244



38, 3.765, 266.148



30, 59.717, 291.483



3, 12.645, 275.001

Inverse Universe

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



46, 53.632, 358.336



55, 74.676, 2.656



73, 61.728, 108.393



37, 4.689, 349.830



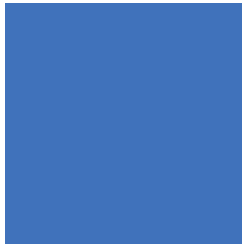
33, 59.213, 10.406



3, 13.325, 357.006

Previews

White Background



This preview shows how the CIE LCh color 48, 43.990, 278.970 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, 43.990, 278.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

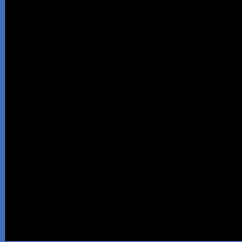
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 43.990, 278.970

Background



This preview shows how black text looks on a background with the CIELCh color 48, 43.990, 278.970.



This preview shows how white text looks on a background with the CIELCh color 48, 43.990, 278.970.

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, 43.990, 278.970

Protanopia

48, 43.252, 285.650

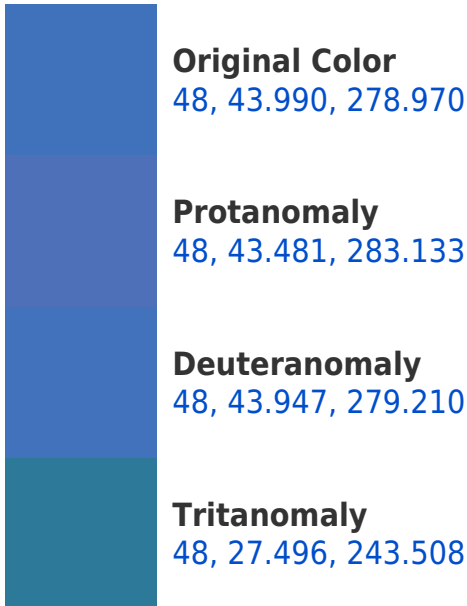
Deuteranopia

48, 43.904, 279.454

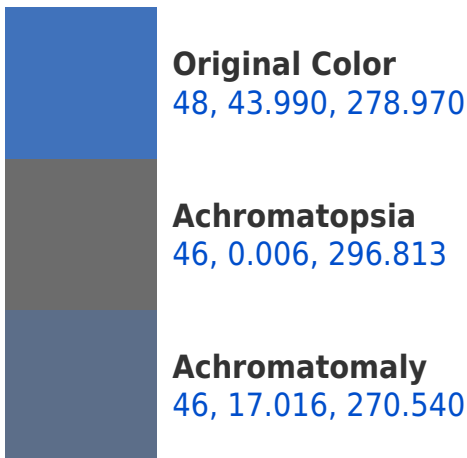


Tritanopia
48, 26.076, 210.137

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 43.990, 278.970 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(64, 114, 187)` looks like.

```
.text, #text, p{  
    color:rgb(64, 114, 187)  
}
```

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(64, 114, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 114, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 43.990, 278.970 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(64, 114, 187) }
```

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

```
.border{ border-color:rgb(64, 114, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 114, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 114, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 114, 187);  
box-shadow:4px 4px 4px 4px rgb(64, 114,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 43.990, 278.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 114, 187) }
```

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

```
.background{ background-color: rgb(64, 114,  
187) }
```

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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