

Converting Colors

CIELCh(48, 40.415, 283.221)

Have a look what the booklet for
CIELCh(48, 40.415, 283.221)
contains.

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Color

CIELCh(48, 40.492, 283.269)

Conversions

Conversions Part 1

Format	Color
Hex	5270B4
RGB	82, 112, 180
RGB Percent	32%, 44%, 71%
CMY	0.6768, 0.5593, 0.2925
CMYK	0.54, 0.38, 0.00, 0.29
HSL	222°, 40%, 52%
HSV	222°, 54%, 71%
XYZ	17.6309, 16.7945, 45.7111
YIQ	110.7820, -39.7080, 14.7880

Conversions

Conversions Part 2

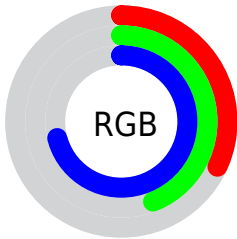
Format	Color
R_{YB}	82, 105, 180
Decimal	5402804
CIE _{Lab}	48.00, 9.29, -39.41
CIE _{LCh}	48, 40.492, 283.269
Yxy	16.7945, 0.2200, 0.2096
Android (android.graphics.Color)	4283592884 (0xFF5270B4)
YUV	110.7820, 34.1245, -25.2418
Hunter-Lab	40.9810, 5.0778, -37.4465

Details

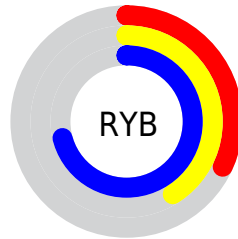
The CIELCh color **48, 40.492, 283.269** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **64, 39.760, 86.218**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 40.583, 283.677**, and **28, 40.503, 283.257** is the 20% darker color. If you saturate the color by 10%, you get **44, 48.526, 286.126**, and if you desaturate by 10%, it is **53, 32.673, 280.769**.

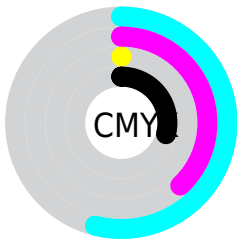
Distribution



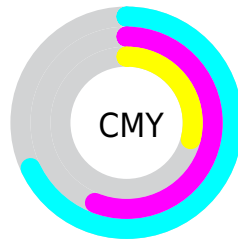
- Red (32%)
- Green (44%)
- Blue (71%)



- Red (32%)
- Yellow (41%)
- Blue (71%)



- Cyan (54%)
- Magenta (38%)
- Yellow (0%)
- Black (29%)




- Cyan (68%)
- Magenta (56%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 40.492, 283.269 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, 40.492, 283.269 by changing the saturation by 10% instead.


 48, 40.492,
283.269


 48, 40.492,
283.269


 100, 40.492,
283.269

 38, 40.492,
283.269

 68, 40.492,
283.269


 28, 40.492,
283.269

 78, 40.492,
283.269

 18, 40.492,
283.269

 88, 40.492,
283.269

 8, 40.492, 283.269

 98, 40.492,
283.269

 0, 40.492, 283.269

 48, 40.492,

 48, 40.492,

283.269

283.269

■ 44, 48.526,
286.126

■ 53, 32.673,
280.769

■ 39, 56.798,
289.310

■ 57, 25.041,
278.612

■ 35, 65.277,
292.725

■ 62, 17.571,
276.763

■ 31, 73.811,
296.192

■ 67, 10.249,
275.184

■ 30, 78.590,
298.012

■ 71, 3.066, 273.869

■ 76, 3.984, 92.575

■ 81, 10.902, 91.589

■ 85, 17.689, 90.707

■ 90, 24.347, 89.929

Harmonies

Complementary

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



48, 40.492, 283.269



64, 39.760, 86.218

Rectangle

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



48, 40.492, 283.269



48, 40.492, 333.269



48, 40.492, 103.269



48, 40.492, 153.269

Sweetspot

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



48, 40.491, 283.270



84, 14.208, 275.474



67, 37.057, 168.855



43, 9.602, 275.782



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, 40.491, 283.270



55, 60.852, 286.673



41, 59.216, 302.770



35, 4.003, 274.489



25, 68.670, 297.556



2, 10.371, 278.156

Inverse Universe

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



48, 42.905, 3.073



57, 62.530, 6.072



70, 51.512, 113.716



35, 4.233, 356.382



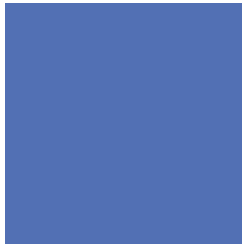
32, 59.458, 19.684



2, 9.720, 0.541

Previews

White Background



This preview shows how the CIE LCh color 48, 40.492, 283.269 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, 40.492, 283.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

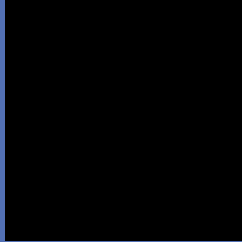
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

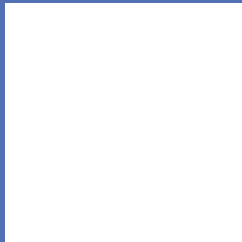
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 40.492, 283.269

Background



This preview shows how black text looks on a background with the CIELCh color 48, 40.492, 283.269.

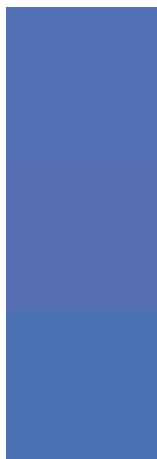


This preview shows how white text looks on a background with the CIELCh color 48, 40.492, 283.269.

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, 40.492, 283.269

Protanopia

48, 40.288, 285.807

Deuteranopia

48, 39.632, 279.814



Tritanopia
48, 19.379, 215.474

Trichromacy



Original Color
48, 40.492, 283.269

Protanomaly
48, 40.923, 285.337

Deuteranomaly
48, 40.094, 281.214

Tritanomaly
48, 23.208, 253.571

Monochromacy



Original Color
48, 40.492, 283.269

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 15.135, 278.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 40.492, 283.269 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(82, 112, 180)` looks like.

```
.text, #text, p{  
    color:rgb(82, 112, 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(82, 112, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 112, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 40.492, 283.269 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(82, 112, 180) }
```

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

```
.border{ border-color:rgb(82, 112, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 112, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 112, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 112, 180);  
box-shadow:4px 4px 4px 4px rgb(82, 112,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 40.492, 283.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 112, 180) }
```

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

```
.background{ background-color: rgb(82, 112,  
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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