

Converting Colors

CIELCh(48, 47.420, 284.728)

Have a look what the booklet for
CIELCh(48, 47.420, 284.728)
contains.

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Color

CIELCh(48, 47.453, 284.475)

Conversions

Conversions Part 1

Format	Color
Hex	4B70C0
RGB	75, 112, 192
RGB Percent	29%, 44%, 75%
CMY	0.7073, 0.5620, 0.2484
CMYK	0.61, 0.42, 0.00, 0.25
HSL	221°, 48%, 52%
HSV	221°, 61%, 75%
XYZ	18.1115, 16.7945, 51.9609
YIQ	110.0570, -47.7320, 17.0360

Conversions

Conversions Part 2

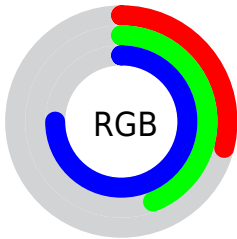
Format	Color
R_{YB}	75, 103, 192
Decimal	4944064
CIE _{Lab}	48.00, 11.86, -45.95
CIE _{LCh}	48, 47.453, 284.475
Yxy	16.7945, 0.2085, 0.1933
Android (android.graphics.Color)	4283134144 (0xFF4B70C0)
YUV	110.0570, 40.3979, -30.7450
Hunter-Lab	40.9810, 7.1708, -46.4885

Details

The CIELCh color **48, 47.453, 284.475** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **66, 46.545, 84.315**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 47.678, 284.654**, and **28, 47.287, 285.662** is the 20% darker color. If you saturate the color by 10%, you get **43, 55.892, 287.613**, and if you desaturate by 10%, it is **53, 39.246, 281.691**.

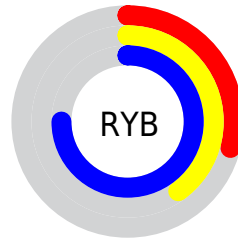
Distribution



Red (29%)

Green (44%)

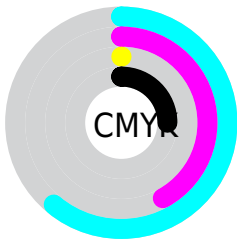
Blue (75%)



Red (29%)

Yellow (40%)

Blue (75%)

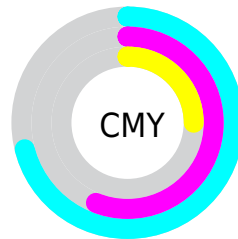


Cyan (61%)

Magenta (42%)

Yellow (0%)

Black (25%)



Cyan (71%)


Magenta (56%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 47.453, 284.475 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, 47.453, 284.475 by changing the saturation by 10% instead.


 48, 47.453,
284.475


 48, 47.453,
284.475


 100, 47.453,
284.475


 38, 47.453,
284.475

 68, 47.453,
284.475

 28, 47.453,
284.475

 78, 47.453,
284.475

 18, 47.453,
284.475

 88, 47.453,
284.475

 8, 47.453, 284.475

 98, 47.453,
284.475

 0, 47.453, 284.475

 48, 47.453,

 48, 47.453,

284.475

■ 43, 55.892,
287.613

■ 39, 64.566,
291.029

■ 35, 73.383,
294.574

■ 32, 81.202,
297.593

284.475

■ 53, 39.246,
281.691

■ 58, 31.243,
279.270

■ 62, 23.412,
277.189

■ 67, 15.733,
275.410

■ 72, 8.192, 273.896

■ 77, 0.784, 272.841

■ 82, 6.494, 91.390

■ 87, 13.642, 90.424

■ 92, 20.660, 89.570

Harmonies

Complementary

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



48, 47.453, 284.475



66, 46.545, 84.315

Rectangle

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



48, 47.453, 284.475



48, 47.453, 334.475



48, 47.453, 104.475



48, 47.453, 154.475

Sweetspot

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



48, 47.452, 284.476



87, 16.642, 274.966



70, 43.404, 166.672



45, 11.592, 275.438



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



48, 47.452, 284.476



55, 71.505, 288.654



40, 70.568, 303.303



38, 4.233, 273.666



26, 70.279, 297.120



3, 15.289, 280.614

Inverse Universe

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



49, 50.363, 3.911



58, 72.221, 7.872



74, 59.748, 112.605



38, 4.557, 355.633



34, 61.412, 18.926



3, 14.681, 2.637

Previews

White Background



This preview shows how the CIE LCh color 48, 47.453, 284.475 looks on a white background.

Color Contrast Check

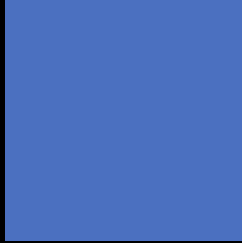
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 47.453, 284.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

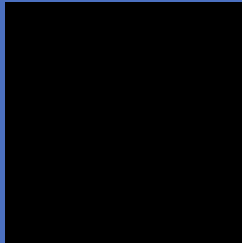
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 47.453, 284.475

Background



This preview shows how black text looks on a background with the CIELCh color 48, 47.453, 284.475.



This preview shows how white text looks on a background with the CIELCh color 48, 47.453, 284.475.

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, 47.453, 284.475

Protanopia

48, 47.323, 286.117

Deuteranopia

48, 46.350, 279.266



Tritanopia
48, 23.603, 211.782

Trichromacy



Original Color
48, 47.453, 284.475

Protanomaly
48, 47.386, 285.586

Deuteranomaly
48, 46.681, 281.202

Tritanomaly
48, 26.528, 249.895

Monochromacy



Original Color
48, 47.453, 284.475

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 17.708, 276.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 47.453, 284.475 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(75, 112, 192)` looks like.

```
.text, #text, p{  
    color:rgb(75, 112, 192)  
}
```

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(75, 112, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 112, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 47.453, 284.475 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(75, 112, 192) }
```

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

```
.border{ border-color:rgb(75, 112, 192) }
```

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

Here you see how a box with a 4 pixel rgb(75, 112, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 112, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 112, 192);  
box-shadow:4px 4px 4px 4px rgb(75, 112,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 47.453, 284.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 112, 192) }
```

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

```
.background{ background-color: rgb(75, 112,  
192) }
```

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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