

Converting Colors

CIELCh(48, 18.683, 243.329)

Have a look what the booklet for
CIELCh(48, 18.683, 243.329)
contains.

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Color

CIELCh(48, 18.883, 244.705)

Conversions

Conversions Part 1

Format	Color
Hex	4D778E
RGB	77, 119, 142
RGB Percent	30%, 47%, 56%
CMY	0.6971, 0.5324, 0.4422
CMYK	0.46, 0.16, 0.00, 0.44
HSL	201°, 30%, 43%
HSV	201°, 46%, 56%
XYZ	14.6026, 16.7945, 28.1550
YIQ	109.0640, -32.4150, -1.7510

Conversions

Conversions Part 2

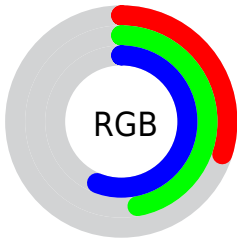
Format	Color
R_{YB}	77, 103, 142
Decimal	5076878
CIE _{Lab}	48.00, -8.07, -17.07
CIE _{LCh}	48, 18.883, 244.705
Yxy	16.7945, 0.2452, 0.2820
Android (android.graphics.Color)	4283266958 (0xFF4D778E)
YUV	109.0640, 16.2374, -28.1201
Hunter-Lab	40.9810, -8.1127, -12.0470

Details

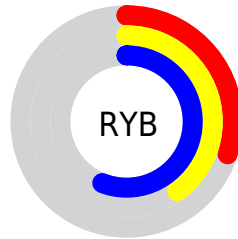
The CIELCh color **48, 18.883, 244.705** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **46, 24.213, 54.740**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 19.061, 245.237**, and **28, 18.888, 244.486** is the 20% darker color. If you saturate the color by 10%, you get **46, 22.317, 247.114**, and if you desaturate by 10%, it is **50, 15.155, 242.741**.

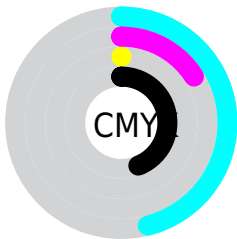
Distribution



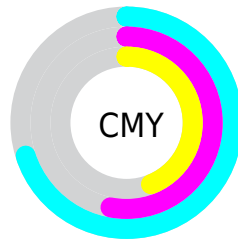
- Red (30%)
- Green (47%)
- Blue (56%)



- Red (30%)
- Yellow (40%)
- Blue (56%)



- Cyan (46%)
- Magenta (16%)
- Yellow (0%)
- Black (44%)





- Cyan (70%)
- Magenta (53%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 18.883, 244.705 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, 18.883, 244.705 by changing the saturation by 10% instead.


 48, 18.883,
244.705


 48, 18.883,
244.705


 100, 18.883,
244.705


 38, 18.883,
244.705

 68, 18.883,
244.705


 28, 18.883,
244.705

 78, 18.883,
244.705

 18, 18.883,
244.705

 88, 18.883,
244.705

 8, 18.883, 244.705

 98, 18.883,
244.705

 0, 18.883, 244.705

 48, 18.883,

 48, 18.883,

244.705

■ 46, 22.317,
247.114

■ 44, 25.443,
250.048

■ 42, 28.271,
253.569

■ 40, 30.851,
257.701

■ 38, 33.290,
262.353

■ 37, 34.376,
264.294

244.705

■ 50, 15.155,
242.741

■ 53, 11.167,
241.151

■ 55, 6.959, 239.872

■ 58, 2.571, 238.906

■ 60, 1.958, 57.711

■ 63, 6.594, 57.135

■ 65, 11.308, 56.574

■ 68, 16.075, 56.099

■ 71, 20.876, 55.698

Harmonies

Complementary

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



48, 18.883, 244.705



46, 24.213, 54.740

Rectangle

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



48, 18.883, 244.705



48, 18.883, 294.705



48, 18.883, 64.705



48, 18.883, 114.705

Sweetspot

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



48, 18.882, 244.703



71, 7.748, 239.716



54, 34.768, 152.244



37, 5.372, 239.936



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 18.882, 244.703



59, 27.402, 247.244



38, 33.906, 290.082



29, 2.539, 239.196



35, 33.023, 264.027



1, 1.741, 238.264

Inverse Universe

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



42, 35.284, 340.225



51, 51.840, 341.320



55, 31.361, 98.251



28, 4.373, 337.154



29, 56.058, 348.336



1, 2.930, 336.549

Previews

White Background



This preview shows how the CIELCh color 48, 18.883, 244.705 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, 18.883, 244.705 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

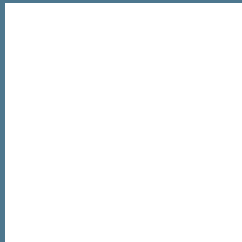
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 18.883, 244.705

Background



This preview shows how black text looks on a background with the CIELCh color 48, 18.883, 244.705.



This preview shows how white text looks on a background with the CIELCh color 48, 18.883, 244.705.

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, 18.883, 244.705

Protanopia

48, 15.389, 286.762

Deuteranopia

48, 19.493, 290.645



Tritanopia
48, 16.861, 218.503

Trichromacy



Original Color
48, 18.883, 244.705

Protanomaly
48, 15.839, 268.424

Deuteranomaly
48, 17.901, 273.080

Tritanomaly
48, 17.198, 229.278

Monochromacy



Original Color
48, 18.883, 244.705

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.607, 237.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 18.883, 244.705 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(77, 119, 142)` looks like.

```
.text, #text, p{  
    color:rgb(77, 119, 142)  
}
```

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(77, 119, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 119, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 18.883, 244.705 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(77, 119, 142) }
```

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

```
.border{ border-color:rgb(77, 119, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 119, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 119, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 119, 142);  
box-shadow:4px 4px 4px 4px rgb(77, 119,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 18.883, 244.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 119, 142) }
```

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

```
.background{ background-color: rgb(77, 119,  
142) }
```

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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