

Converting Colors

CIELCh(48, 13.876, 210.379)

Have a look what the booklet for
CIELCh(48, 13.876, 210.379)
contains.

CIELCh(48, 13.876, 210.379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(48, 13.876, 210.379)

Conversions

Conversions Part 1

Format	Color
Hex	52787D
RGB	82, 120, 125
RGB Percent	32%, 47%, 49%
CMY	0.6773, 0.5283, 0.5087
CMYK	0.34, 0.04, 0.00, 0.51
HSL	187°, 21%, 41%
HSV	187°, 34%, 49%
XYZ	13.9734, 16.7945, 22.0016
YIQ	109.2080, -24.2530, -6.5010

Conversions

Conversions Part 2

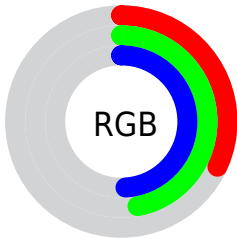
Format	Color
RYP	82, 102, 125
Decimal	5404797
CIELab	48.00, -11.97, -7.02
CIElCh	48, 13.876, 210.379
Yxy	16.7945, 0.2648, 0.3183
Android (android.graphics.Color)	4283594877 (0xFF52787D)
YUV	109.2080, 7.7855, -23.8614
Hunter-Lab	40.9810, -10.8531, -3.1445

Details

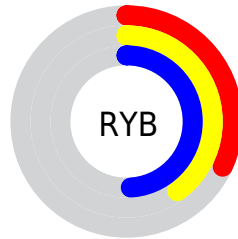
The CIELCh color **48, 13.876, 210.379** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 17.595, 31.466**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 13.860, 212.243**, and **28, 13.856, 211.104** is the 20% darker color. If you saturate the color by 10%, you get **47, 17.152, 210.680**, and if you desaturate by 10%, it is **49, 10.201, 210.226**.

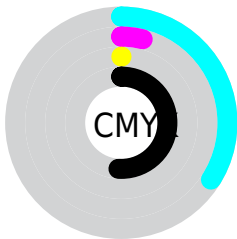
Distribution



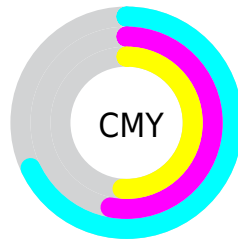
- Red (32%)
- Green (47%)
- Blue (49%)



- Red (32%)
- Yellow (40%)
- Blue (49%)



- Cyan (34%)
- Magenta (4%)
- Yellow (0%)
- Black (51%)





- Cyan (68%)
- Magenta (53%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 13.876, 210.379 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, 13.876, 210.379 by changing the saturation by 10% instead.


 48, 13.876,
210.379


 48, 13.876,
210.379


 100, 13.876,
210.379


 38, 13.876,
210.379

 68, 13.876,
210.379


 28, 13.876,
210.379

 78, 13.876,
210.379

 18, 13.876,
210.379

 88, 13.876,
210.379

 8, 13.876, 210.379

 98, 13.876,
210.379

 0, 13.876, 210.379

 48, 13.876,

 48, 13.876,

210.379

■ 47, 17.152,
210.680

■ 46, 19.964,
211.172

■ 45, 22.259,
211.887

■ 44, 23.999,
212.866

■ 43, 25.177,
214.153

■ 43, 25.836,
215.774

■ 42, 26.137,
216.733

210.379

■ 49, 10.201,
210.226

■ 51, 6.194, 210.214

■ 52, 1.919, 210.417

■ 53, 2.566, 30.195

■ 55, 7.208, 30.491

■ 56, 11.965, 30.754

■ 58, 16.801, 31.038

■ 60, 21.686, 31.341

■ 62, 26.597, 31.659

Harmonies

Complementary

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



48, 13.876, 210.379



41, 17.595, 31.466

Rectangle

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



48, 13.876, 210.379



48, 13.876, 260.379



48, 13.876, 30.379



48, 13.876, 80.379

Sweetspot

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



48, 13.876, 210.375



65, 5.425, 210.253



49, 28.651, 144.833



34, 3.672, 210.239



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 13.876, 210.375



61, 19.911, 210.593



42, 16.532, 270.777



26, 2.506, 210.270



43, 26.466, 216.774



0, 0.000, 0.000

Inverse Universe

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



41, 28.350, 329.716



50, 41.751, 330.156



47, 17.164, 81.094



25, 4.710, 328.252



29, 63.284, 333.295



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 13.876, 210.379 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, 13.876, 210.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

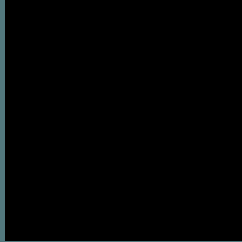
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 13.876, 210.379

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.876, 210.379.



This preview shows how white text looks on a background with the CIELCh color 48, 13.876, 210.379.

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, 13.876, 210.379

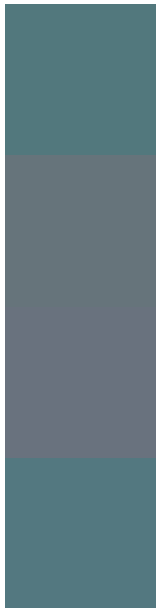
Protanopia
48, 4.724, 290.820

Deuteranopia
48, 9.877, 307.438



Tritanopia
48, 13.973, 220.619

Trichromacy



Original Color
48, 13.876, 210.379

Protanomaly
48, 6.673, 237.320

Deuteranomaly
48, 7.789, 265.021

Tritanomaly
48, 13.836, 218.195

Monochromacy



Original Color
48, 13.876, 210.379

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 5.576, 211.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.876, 210.379 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, 120, 125)` looks like.

```
.text, #text, p{  
    color:rgb(82, 120, 125)  
}
```

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, 120, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 120, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.876, 210.379 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, 120, 125) }
```

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

```
.border{ border-color:rgb(82, 120, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 120, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 120, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 120, 125);  
box-shadow:4px 4px 4px 4px rgb(82, 120,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.876, 210.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 120, 125) }
```

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

```
.background{ background-color: rgb(82, 120,  
125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor