

Converting Colors

CIELCh(48, 13.877, 215.895)

Have a look what the booklet for
CIELCh(48, 13.877, 215.895)
contains.

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Color

CIELCh(48, 13.722, 215.727)

Conversions

Conversions Part 1

Format	Color
Hex	53787F
RGB	83, 120, 127
RGB Percent	33%, 47%, 50%
CMY	0.6746, 0.5295, 0.5021
CMYK	0.35, 0.06, 0.00, 0.50
HSL	190°, 21%, 41%
HSV	190°, 35%, 50%
XYZ	14.1059, 16.7945, 22.5661
YIQ	109.7350, -24.2990, -5.6670

Conversions

Conversions Part 2

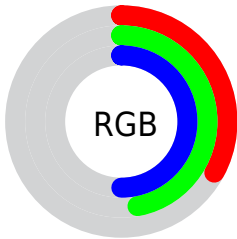
Format	Color
RYB	83, 103, 127
Decimal	5470335
CIELab	48.00, -11.14, -8.01
CIElCh	48, 13.722, 215.727
Yxy	16.7945, 0.2638, 0.3141
Android (android.graphics.Color)	4283660415 (0xFF53787F)
YUV	109.7350, 8.5116, -23.4466
Hunter-Lab	40.9810, -10.2762, -3.9612

Details

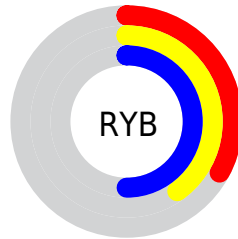
The CIELCh color **48, 13.722, 215.727** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **42, 17.424, 35.350**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 13.751, 217.218**, and **28, 13.723, 217.053** is the 20% darker color. If you saturate the color by 10%, you get **47, 16.938, 216.339**, and if you desaturate by 10%, it is **49, 10.121, 215.310**.

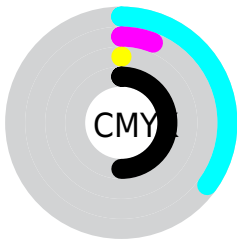
Distribution



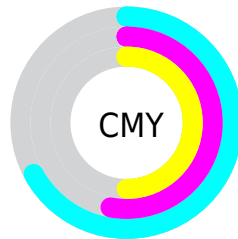
- Red (33%)
- Green (47%)
- Blue (50%)



- Red (33%)
- Yellow (40%)
- Blue (50%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)
- Black (50%)




- Cyan (67%)
- Magenta (53%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 13.722, 215.727 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, 13.722, 215.727 by changing the saturation by 10% instead.


 48, 13.722,
215.727


 48, 13.722,
215.727


 100, 13.722,
215.727


 38, 13.722,
215.727

 68, 13.722,
215.727


 28, 13.722,
215.727

 78, 13.722,
215.727

 18, 13.722,
215.727

 88, 13.722,
215.727

 8, 13.722, 215.727

 98, 13.722,
215.727

 0, 13.722, 215.727

 48, 13.722,

 48, 13.722,

215.727

■ 47, 16.938,
216.339

■ 45, 19.707,
217.201

■ 44, 21.977,
218.363

■ 43, 23.716,
219.884

■ 42, 24.921,
221.826

■ 42, 25.644,
224.224

■ 41, 25.979,
225.548

215.727

■ 49, 10.121,
215.310

■ 51, 6.200, 215.071

■ 52, 2.019, 215.063

■ 54, 2.366, 34.661

■ 56, 6.906, 34.807

■ 58, 11.560, 34.925

■ 59, 16.295, 35.074

■ 61, 21.083, 35.252

■ 63, 25.902, 35.451

Harmonies

Complementary

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



48, 13.722, 215.727



42, 17.424, 35.350

Rectangle

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



48, 13.722, 215.727



48, 13.722, 265.727



48, 13.722, 35.727



48, 13.722, 85.727

Sweetspot

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



48, 13.722, 215.723



66, 5.323, 215.022



49, 28.214, 146.312



34, 3.649, 215.031



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 13.722, 215.723



60, 19.962, 216.221



41, 17.944, 275.099



26, 2.428, 215.017



41, 26.057, 225.562



0, 0.000, 0.000

Inverse Universe

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



41, 28.093, 331.193



50, 42.018, 331.711



48, 18.202, 85.437



25, 4.571, 329.634



28, 61.284, 335.493



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 13.722, 215.727 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, 13.722, 215.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

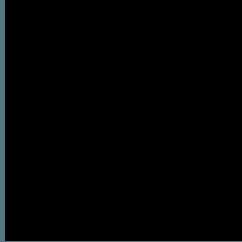
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

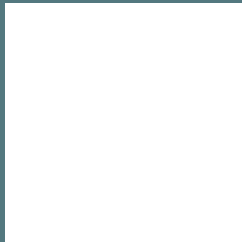
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 13.722, 215.727

Background



This preview shows how black text looks on a background with the CIELCh color 48, 13.722, 215.727.



This preview shows how white text looks on a background with the CIELCh color 48, 13.722, 215.727.

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, 13.722, 215.727

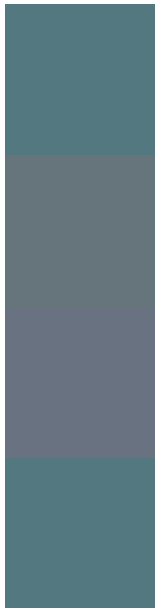
Protanopia
48, 5.313, 290.897

Deuteranopia
48, 10.922, 303.817



Tritanopia
48, 13.685, 221.145

Trichromacy



Original Color
48, 13.722, 215.727

Protanomaly
48, 7.024, 241.339

Deuteranomaly
48, 8.851, 268.680

Tritanomaly
48, 13.541, 218.677

Monochromacy



Original Color
48, 13.722, 215.727

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 5.569, 211.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 13.722, 215.727 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(83, 120, 127)` looks like.

```
.text, #text, p{  
    color:rgb(83, 120, 127)  
}
```

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(83, 120, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 120, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 13.722, 215.727 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(83, 120, 127) }
```

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

```
.border{ border-color:rgb(83, 120, 127) }
```

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

Here you see how a box with a 4 pixel rgb(83, 120, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 120, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 120, 127);  
box-shadow:4px 4px 4px 4px rgb(83, 120,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 13.722, 215.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 120, 127) }
```

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

```
.background{ background-color: rgb(83, 120,  
127) }
```

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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