

Converting Colors

CIELCh(48, 14.217, 215.939)

Have a look what the booklet for
CIELCh(48, 14.217, 215.939)
contains.

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Color

CIELCh(48, 14.129, 217.735)

Conversions

Conversions Part 1

Format	Color
Hex	527880
RGB	82, 120, 128
RGB Percent	32%, 47%, 50%
CMY	0.6783, 0.5293, 0.4979
CMYK	0.36, 0.06, 0.00, 0.50
HSL	190°, 22%, 41%
HSV	190°, 36%, 50%
XYZ	14.1004, 16.7945, 22.9310
YIQ	109.5500, -25.2160, -5.5680

Conversions

Conversions Part 2

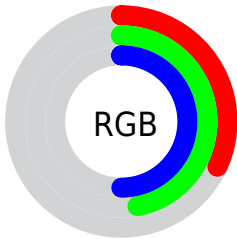
Format	Color
R_{YB}	82, 103, 128
Decimal	5404800
CIE Lab	48.00, -11.17, -8.65
CIE LCh	48, 14.129, 217.735
Yxy	16.7945, 0.2620, 0.3120
Android (android.graphics.Color)	4283594880 (0xFF527880)
YUV	109.5500, 9.0959, -24.1613
Hunter-Lab	40.9810, -10.3000, -4.4890

Details

The CIELCh color **48, 14.129, 217.735** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **42, 18.102, 36.791**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 14.181, 218.994**, and **28, 14.073, 219.398** is the 20% darker color. If you saturate the color by 10%, you get **47, 17.294, 218.488**, and if you desaturate by 10%, it is **49, 10.576, 217.199**.

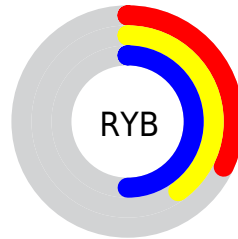
Distribution



Red (32%)

Green (47%)

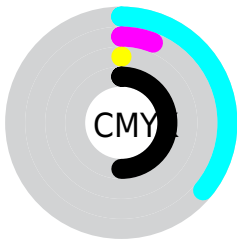
Blue (50%)



Red (32%)

Yellow (40%)

Blue (50%)

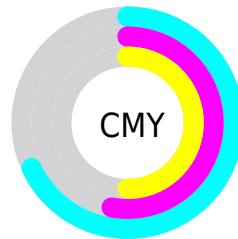


Cyan (36%)

Magenta (6%)

Yellow (0%)

Black (50%)



Cyan (68%)

Magenta (53%)

Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 14.129, 217.735 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, 14.129, 217.735 by changing the saturation by 10% instead.


 48, 14.129,
217.735


 48, 14.129,
217.735


 100, 14.129,
217.735

 38, 14.129,
217.735

 68, 14.129,
217.735


 28, 14.129,
217.735

 78, 14.129,
217.735

 18, 14.129,
217.735


 88, 14.129,
217.735

 8, 14.129, 217.735

 98, 14.129,
217.735

 0, 14.129, 217.735

 48, 14.129,

 48, 14.129,

217.735

■ 47, 17.294,
218.488

■ 45, 20.012,
219.520

■ 44, 22.234,
220.885

■ 43, 23.932,
222.651

■ 42, 25.108,
224.883

■ 41, 25.846,
227.590

■ 41, 26.127,
228.705

217.735

■ 49, 10.576,
217.199

■ 51, 6.699, 216.856

■ 53, 2.558, 216.726

■ 54, 1.791, 36.235

■ 56, 6.299, 36.363

■ 58, 10.926, 36.425

■ 60, 15.637, 36.522

■ 62, 20.404, 36.651

■ 64, 25.205, 36.806

Harmonies

Complementary

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



48, 14.129, 217.735



42, 18.102, 36.791

Rectangle

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



48, 14.129, 217.735



48, 14.129, 267.735



48, 14.129, 37.735



48, 14.129, 87.735

Sweetspot

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



48, 14.129, 217.731



66, 5.785, 216.758



49, 29.082, 146.715



34, 3.906, 216.777



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, 14.129, 217.731



60, 20.178, 218.321



41, 19.145, 276.666



26, 2.405, 216.731



41, 26.049, 228.690



0, 0.000, 0.000

Inverse Universe

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



41, 29.006, 331.803



50, 42.530, 332.319



48, 19.282, 86.652



25, 4.523, 330.134



28, 60.614, 336.302



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 48, 14.129, 217.735 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, 14.129, 217.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

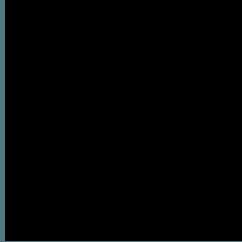
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 14.129, 217.735

Background



This preview shows how black text looks on a background with the CIELCh color 48, 14.129, 217.735.



This preview shows how white text looks on a background with the CIELCh color 48, 14.129, 217.735.

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, 14.129, 217.735

Protanopia

48, 5.903, 290.975

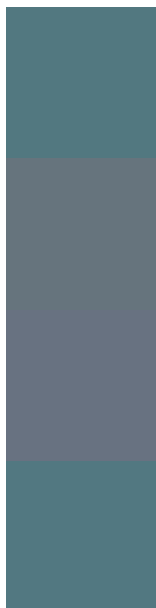
Deuteranopia

48, 11.498, 303.229



Tritanopia
48, 14.260, 220.118

Trichromacy



Original Color
48, 14.129, 217.735

Protanomaly
48, 7.405, 244.969

Deuteranomaly
48, 9.521, 268.121

Tritanomaly
48, 14.260, 220.118

Monochromacy



Original Color
48, 14.129, 217.735

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 5.690, 217.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 14.129, 217.735 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(82, 120, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 120, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 14.129, 217.735 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, 128) }
```

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

```
.border{ border-color:rgb(82, 120, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(82, 120,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 14.129, 217.735 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, 128) }
```

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

```
.background{ background-color: rgb(82, 120,  
128) }
```

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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