

Converting Colors

CIELCh(48, 4.412, 219.054)

Have a look what the booklet for
CIELCh(48, 4.412, 219.054) contains.

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Color

CIELCh(48, 4.449, 214.428)

Conversions

Conversions Part 1

Format	Color
Hex	697476
RGB	105, 116, 118
RGB Percent	41%, 45%, 46%
CMY	0.5883, 0.5452, 0.5373
CMYK	0.11, 0.02, 0.00, 0.54
HSL	189°, 6%, 44%
HSV	189°, 11%, 46%
XYZ	15.3340, 16.7945, 19.5656
YIQ	112.9390, -7.1980, -1.7100

Conversions

Conversions Part 2

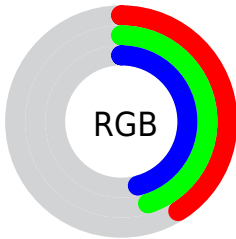
Format	Color
R_{YB}	105, 111, 118
Decimal	6911094
CIE Lab	48.00, -3.67, -2.52
CIE LCh	48, 4.449, 214.428
Yxy	16.7945, 0.2966, 0.3249
Android (android.graphics.Color)	4285101174 (0xFF697476)
YUV	112.9390, 2.4951, -6.9625
Hunter-Lab	40.9810, -4.9268, 0.3799

Details

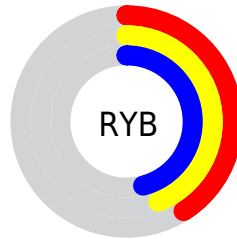
The CIELCh color $48, 4.449, 214.428$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 4.761, 34.210$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 4.546, 213.189$, and $28, 4.399, 215.991$ is the 20% darker color. If you saturate the color by 10%, you get $47, 8.253, 214.558$, and if you desaturate by 10%, it is $49, 0.422, 215.141$.

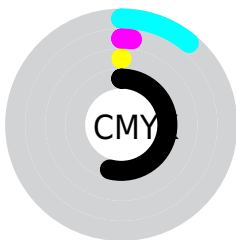
Distribution



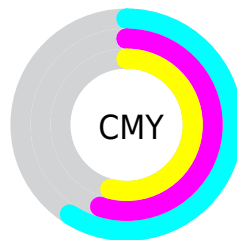
- Red (41%)
- Green (45%)
- Blue (46%)



- Red (41%)
- Yellow (44%)
- Blue (46%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (54%)















- Cyan (59%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 4.449, 214.428 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, 4.449, 214.428 by changing the saturation by 10% instead.

 48, 4.449, 214.428	 48, 4.449, 214.428
 100, 4.449, 214.428	 38, 4.449, 214.428
 68, 4.449, 214.428	 28, 4.449, 214.428
 78, 4.449, 214.428	 18, 4.449, 214.428
 88, 4.449, 214.428	 8, 4.449, 214.428
 98, 4.449, 214.428	 0, 4.449, 214.428

 48, 4.449, 214.428	 48, 4.449, 214.428
 47, 8.253, 214.558	 49, 0.422, 215.141
 45, 11.776, 214.869	 51, 3.780, 34.165

44, 14.961,
215.360

53, 8.113, 34.296

43, 17.747,
216.070

54, 12.541, 34.441

56, 17.035, 34.616

42, 20.082,
217.045

58, 21.572, 34.816

41, 21.926,
218.338

59, 26.130, 35.034

61, 30.696, 35.264

40, 23.264,
220.008

63, 35.258, 35.502

39, 24.111,
222.112

39, 24.670,
224.186

Harmonies

Complementary

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



48, 4.449, 214.428



46, 4.761, 34.210

Rectangle

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



48, 4.449, 214.428



48, 4.449, 264.428



48, 4.449, 34.428



48, 4.449, 84.428

Sweetspot

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



48, 4.449, 214.412



63, 1.528, 214.557



48, 8.427, 148.200



32, 1.149, 214.505



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 4.449, 214.412



61, 6.455, 214.430



46, 5.292, 271.194



24, 2.273, 214.407



40, 25.326, 224.309



78, 42.889, 226.085

Inverse Universe

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



46, 8.426, 329.568



58, 12.314, 329.706



48, 5.307, 88.425



23, 4.278, 329.448



27, 59.776, 335.174



57, 100.707, 335.627

Previews

White Background



This preview shows how the CIELCh color 48, 4.449, 214.428 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, 4.449, 214.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

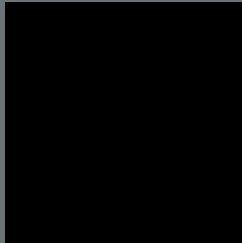
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

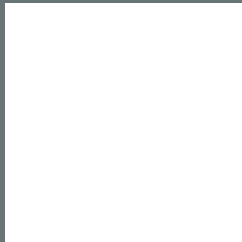
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 4.449, 214.428

Background



This preview shows how black text looks on a background with the CIELCh color 48, 4.449, 214.428.



This preview shows how white text looks on a background with the CIELCh color 48, 4.449, 214.428.

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

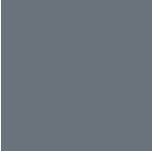
48, 4.449, 214.428

Protanopia

48, 1.959, 314.712

Deuteranopia

48, 7.216, 332.919



Tritanopia
48, 6.264, 257.338

Trichromacy



Original Color

48, 4.449, 214.428

Protanomaly

48, 2.121, 256.145

Deuteranomaly

48, 4.454, 311.737

Tritanomaly

48, 5.341, 249.969

Monochromacy



Original Color

48, 4.449, 214.428

Achromatopsia

48, 0.006, 296.813

Achromatomaly

48, 1.698, 219.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 4.449, 214.428 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(105, 116, 118)` looks like.

```
.text, #text, p{  
    color:rgb(105, 116, 118)  
}
```

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(105, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 116, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 4.449, 214.428 is called "border". The border property can be set on classes, ids or directly on the HTML element.

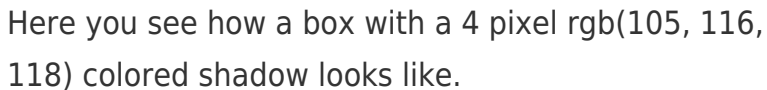
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 116, 118) }
```

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

```
.border{ border-color:rgb(105, 116, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 116, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 116, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 116, 118);  
box-shadow:4px 4px 4px 4px rgb(105, 116,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 4.449, 214.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 116, 118) }
```

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

```
.background{ background-color: rgb(105,  
116, 118) }
```

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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