

Converting Colors

CIELCh(48, 19.420, 245.502)

Have a look what the booklet for
CIELCh(48, 19.420, 245.502)
contains.

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Color

CIELCh(48, 19.428, 245.569)

Conversions

Conversions Part 1

Format	Color
Hex	4C778F
RGB	76, 119, 143
RGB Percent	30%, 47%, 56%
CMY	0.7009, 0.5323, 0.4382
CMYK	0.47, 0.17, 0.00, 0.44
HSL	201°, 31%, 43%
HSV	201°, 47%, 56%
XYZ	14.6080, 16.7945, 28.5653
YIQ	108.8790, -33.3320, -1.6520

Conversions

Conversions Part 2

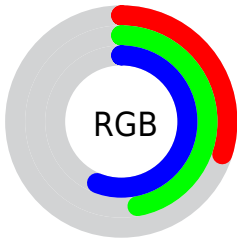
Format	Color
R_{YB}	76, 102, 143
Decimal	5011343
CIE _{Lab}	48.00, -8.04, -17.69
CIE _{LCh}	48, 19.428, 245.569
Yxy	16.7945, 0.2436, 0.2801
Android (android.graphics.Color)	4283201423 (0xFF4C778F)
YUV	108.8790, 16.8217, -28.8349
Hunter-Lab	40.9810, -8.0893, -12.6406

Details

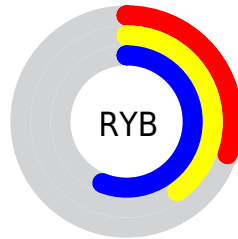
The CIELCh color $48, 19.428, 245.569$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $46, 25.001, 55.125$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 19.614, 245.893$, and $28, 19.479, 245.461$ is the 20% darker color. If you saturate the color by 10%, you get $46, 22.874, 248.053$, and if you desaturate by 10%, it is $50, 15.689, 243.539$.

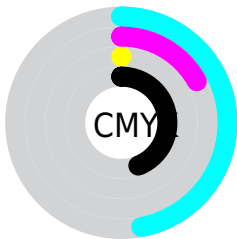
Distribution



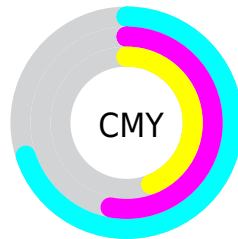
- Red (30%)
- Green (47%)
- Blue (56%)



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



- Cyan (47%)
- Magenta (17%)
- Yellow (0%)
- Black (44%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 19.428, 245.569 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, 19.428, 245.569 by changing the saturation by 10% instead.


 48, 19.428,
245.569


 48, 19.428,
245.569


 100, 19.428,
245.569


 38, 19.428,
245.569

 68, 19.428,
245.569


 28, 19.428,
245.569

 78, 19.428,
245.569

 18, 19.428,
245.569


 88, 19.428,
245.569

 8, 19.428, 245.569

 98, 19.428,
245.569

 0, 19.428, 245.569

 48, 19.428,

 48, 19.428,

245.569

■ 46, 22.874,
248.053

■ 44, 26.017,
251.072

■ 42, 28.872,
254.681

■ 40, 31.495,
258.895

■ 38, 34.007,
263.576

■ 37, 34.852,
265.031

245.569

■ 50, 15.689,
243.539

■ 53, 11.690,
241.892

■ 55, 7.468, 240.564

■ 58, 3.065, 239.539

■ 60, 1.481, 58.272

■ 63, 6.135, 57.724

■ 66, 10.870, 57.141

■ 68, 15.658, 56.645

■ 71, 20.482, 56.226

Harmonies

Complementary

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



48, 19.428, 245.569



46, 25.001, 55.125

Rectangle

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



48, 19.428, 245.569



48, 19.428, 295.569



48, 19.428, 65.569



48, 19.428, 115.569

Sweetspot

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



48, 19.427, 245.568



71, 7.756, 240.281



54, 35.741, 152.111



37, 5.378, 240.504



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, 19.427, 245.568



59, 27.903, 248.166



38, 34.969, 290.308



29, 2.542, 239.752



35, 33.288, 264.728



1, 1.742, 238.807

Inverse Universe

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



42, 36.163, 340.551



50, 52.500, 341.665



55, 32.257, 98.129



28, 4.359, 337.349



29, 55.924, 348.677



1, 2.921, 336.741

Previews

White Background



This preview shows how the CIELCh color 48, 19.428, 245.569 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, 19.428, 245.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

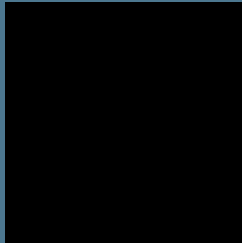
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

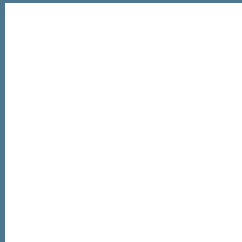
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 19.428, 245.569

Background



This preview shows how black text looks on a background with the CIELCh color 48, 19.428, 245.569.



This preview shows how white text looks on a background with the CIELCh color 48, 19.428, 245.569.

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, 19.428, 245.569

Protanopia

48, 15.389, 286.762

Deuteranopia

48, 20.089, 289.784



Tritanopia
48, 17.124, 218.150

Trichromacy



Original Color
48, 19.428, 245.569

Protanomaly
48, 15.963, 267.303

Deuteranomaly
48, 18.544, 272.854

Tritanomaly
48, 17.436, 228.785

Monochromacy



Original Color
48, 19.428, 245.569

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, 19.428, 245.569 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(76, 119, 143)` looks like.

```
.text, #text, p{  
    color:rgb(76, 119, 143)  
}
```

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(76, 119, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 119, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 19.428, 245.569 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(76, 119, 143) }
```

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

```
.border{ border-color:rgb(76, 119, 143) }
```

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

Here you see how a box with a 4 pixel rgb(76, 119, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 119, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 119, 143);  
box-shadow:4px 4px 4px 4px rgb(76, 119,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 19.428, 245.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 119, 143) }
```

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

```
.background{ background-color: rgb(76, 119,  
143) }
```

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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