

Converting Colors

CIELCh(48, 17.923, 251.032)

Have a look what the booklet for
CIELCh(48, 17.923, 251.032)
contains.

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Color

CIELCh(48, 17.971, 251.027)

Conversions

Conversions Part 1

Format	Color
Hex	53768E
RGB	83, 118, 142
RGB Percent	33%, 46%, 56%
CMY	0.6739, 0.5367, 0.4425
CMYK	0.42, 0.17, 0.00, 0.44
HSL	204°, 26%, 44%
HSV	204°, 42%, 56%
XYZ	14.9697, 16.7945, 28.1034
YIQ	110.2710, -28.5640, 0.0440

Conversions

Conversions Part 2

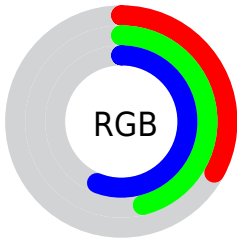
Format	Color
R_{YB}	83, 105, 142
Decimal	5469838
CIE _{Lab}	48.00, -5.84, -16.99
CIE _{LCh}	48, 17.971, 251.027
Yxy	16.7945, 0.2500, 0.2805
Android (android.graphics.Color)	4283659918 (0xFF53768E)
YUV	110.2710, 15.6424, -23.9167
Hunter-Lab	40.9810, -6.5138, -11.9724

Details

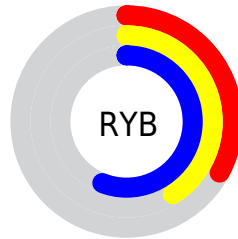
The CIELCh color $48, 17.971, 251.027$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $48, 21.624, 60.642$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 18.081, 251.579$, and $28, 18.079, 250.834$ is the 20% darker color. If you saturate the color by 10%, you get $45, 21.828, 253.432$, and if you desaturate by 10%, it is $51, 13.900, 249.037$.

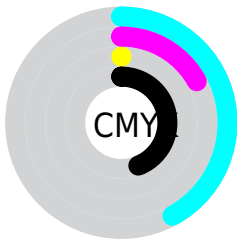
Distribution



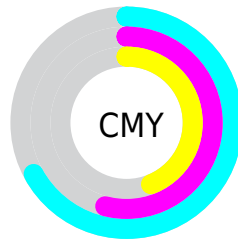
- Red (33%)
- Green (46%)
- Blue (56%)



- Red (33%)
- Yellow (41%)
- Blue (56%)



- Cyan (42%)
- Magenta (17%)
- Yellow (0%)
- Black (44%)




- Cyan (67%)
- Magenta (54%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 17.971, 251.027 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, 17.971, 251.027 by changing the saturation by 10% instead.

 48, 17.971,
251.027


 48, 17.971,
251.027


 100, 17.971,
251.027


 38, 17.971,
251.027

 68, 17.971,
251.027


 28, 17.971,
251.027

 78, 17.971,
251.027

 18, 17.971,
251.027


 88, 17.971,
251.027

 8, 17.971, 251.027

 98, 17.971,
251.027

 0, 17.971, 251.027

 48, 17.971,

 48, 17.971,

251.027

■ 45, 21.828,
253.432

■ 43, 25.461,
256.324

■ 41, 28.879,
259.757

■ 38, 32.125,
263.749

■ 36, 35.277,
268.250

■ 35, 38.012,
272.125

251.027

■ 51, 13.900,
249.037

■ 53, 9.644, 247.400

■ 56, 5.232, 246.067

■ 59, 0.697, 245.359

■ 61, 3.932, 63.837

■ 64, 8.628, 63.090

■ 67, 13.369, 62.431

■ 70, 18.137, 61.864

■ 73, 22.915, 61.375

Harmonies

Complementary

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



48, 17.971, 251.027



48, 21.624, 60.642

Rectangle

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



48, 17.971, 251.027



48, 17.971, 301.027



48, 17.971, 71.027



48, 17.971, 121.027

Sweetspot

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



48, 17.970, 251.025



71, 6.717, 246.155



54, 30.461, 154.872



36, 4.433, 246.289



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



48, 17.970, 251.025



58, 26.137, 253.308



40, 32.427, 291.592



29, 2.584, 245.801



33, 36.507, 271.868



1, 1.765, 244.730

Inverse Universe

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



43, 31.114, 342.483



52, 45.631, 343.542



56, 29.868, 101.509



28, 4.212, 339.587



29, 54.609, 352.600



1, 2.820, 338.949

Previews

White Background



This preview shows how the CIE LCh color 48, 17.971, 251.027 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, 17.971, 251.027 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

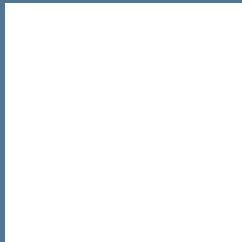
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 17.971, 251.027

Background



This preview shows how black text looks on a background with the CIELCh color 48, 17.971, 251.027.



This preview shows how white text looks on a background with the CIELCh color 48, 17.971, 251.027.

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, 17.971, 251.027

Protanopia

48, 15.389, 286.762

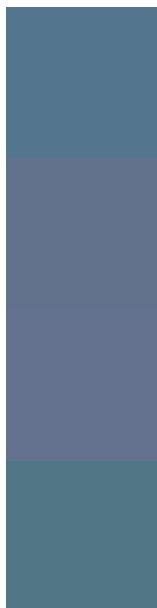
Deuteranopia

48, 19.493, 290.645



Tritanopia
48, 14.971, 221.448

Trichromacy



Original Color
48, 17.971, 251.027

Protanomaly
48, 16.064, 272.833

Deuteranomaly
48, 17.632, 276.203

Tritanomaly
48, 15.505, 233.339

Monochromacy



Original Color
48, 17.971, 251.027

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.182, 247.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 17.971, 251.027 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, 118, 142)` looks like.

```
.text, #text, p{  
    color:rgb(83, 118, 142)  
}
```

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, 118, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 118, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 17.971, 251.027 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, 118, 142) }
```

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

```
.border{ border-color:rgb(83, 118, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 118, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 118, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 118, 142);  
box-shadow:4px 4px 4px 4px rgb(83, 118,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 17.971, 251.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 118, 142) }
```

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

```
.background{ background-color: rgb(83, 118,  
142) }
```

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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