

Converting Colors

CIELCh(48, 10.949, 198.210)

Have a look what the booklet for
CIELCh(48, 10.949, 198.210)
contains.

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Color

CIELCh(48, 10.934, 198.237)

Conversions

Conversions Part 1

Format	Color
Hex	5A7777
RGB	90, 119, 119
RGB Percent	35%, 47%, 47%
CMY	0.6459, 0.5321, 0.5321
CMYK	0.24, 0.00, 0.00, 0.53
HSL	180°, 14%, 41%
HSV	180°, 24%, 47%
XYZ	14.2269, 16.7945, 20.0408
YIQ	110.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

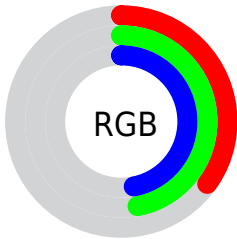
Format	Color
R_{YB}	90, 105, 119
Decimal	5928823
CIE Lab	48.00, -10.38, -3.42
CIE LCh	48, 10.934, 198.237
Yxy	16.7945, 0.2786, 0.3289
Android (android.graphics.Color)	4284118903 (0xFF5A7777)
YUV	110.3290, 4.2748, -17.8285
Hunter-Lab	40.9810, -9.7491, -0.3076

Details

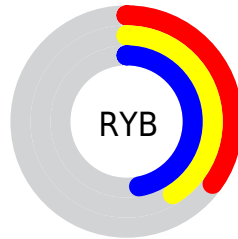
The CIELCh color **48, 10.934, 198.237** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 12.759, 21.140**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 10.795, 198.535**, and **28, 11.029, 197.709** is the 20% darker color. If you saturate the color by 10%, you get **47, 14.887, 197.800**, and if you desaturate by 10%, it is **49, 6.631, 198.722**.

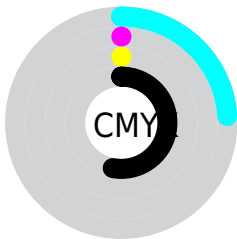
Distribution



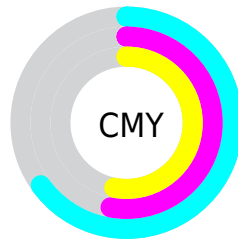
- Red (35%)
- Green (47%)
- Blue (47%)



- Red (35%)
- Yellow (41%)
- Blue (47%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)




- Cyan (65%)
- Magenta (53%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 10.934, 198.237 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, 10.934, 198.237 by changing the saturation by 10% instead.


 48, 10.934,
198.237


 48, 10.934,
198.237


 100, 10.934,
198.237


 38, 10.934,
198.237

 68, 10.934,
198.237


 28, 10.934,
198.237

 78, 10.934,
198.237

 18, 10.934,
198.237


 88, 10.934,
198.237

 8, 10.934, 198.237

 98, 10.934,
198.237

 0, 10.934, 198.237

 48, 10.934,

 48, 10.934,

198.237

■ 47, 14.887,
197.800

■ 47, 18.419,
197.423

■ 46, 21.466,
197.103

■ 46, 23.979,
196.843

■ 45, 25.927,
196.644

■ 45, 27.307,
196.504

■ 45, 28.168,
196.416

■ 45, 28.583,
196.374

198.237

■ 49, 6.631, 198.722

■ 50, 2.047, 199.355

■ 51, 2.752, 19.570

■ 52, 7.708, 20.219

■ 53, 12.769, 20.818

■ 54, 17.894, 21.417

■ 56, 23.049, 22.019

■ 57, 28.206, 22.620

■ 59, 33.347, 23.219

Harmonies

Complementary

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



48, 10.934, 198.237



41, 12.759, 21.140

Rectangle

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



48, 10.934, 198.237



48, 10.934, 248.237



48, 10.934, 18.237



48, 10.934, 68.237

Sweetspot

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



48, 10.934, 198.232



63, 4.101, 199.134



47, 20.813, 142.509



33, 2.683, 199.107



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 10.934, 198.232



61, 15.906, 197.991



44, 9.960, 256.981



24, 2.606, 199.018



46, 29.112, 196.374



89, 49.357, 196.373

Inverse Universe

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



41, 12.759, 21.140



51, 19.284, 21.707



45, 10.669, 70.770



23, 2.751, 19.857



24, 59.040, 37.985



52, 102.983, 39.998

Previews

White Background



This preview shows how the CIELCh color 48, 10.934, 198.237 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, 10.934, 198.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

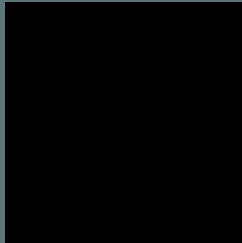
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 10.934, 198.237

Background



This preview shows how black text looks on a background with the CIELCh color 48, 10.934, 198.237.



This preview shows how white text looks on a background with the CIELCh color 48, 10.934, 198.237.

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, 10.934, 198.237

Protanopia

48, 1.959, 314.712

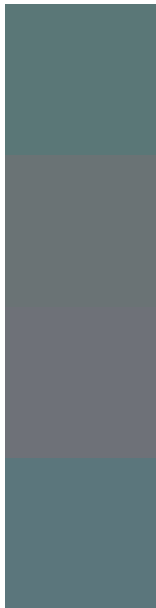
Deuteranopia

48, 7.883, 324.894



Tritanopia
48, 10.766, 228.234

Trichromacy



Original Color
48, 10.934, 198.237

Protanomaly
48, 3.718, 217.663

Deuteranomaly
48, 4.279, 274.740

Tritanomaly
48, 10.506, 218.228

Monochromacy



Original Color
48, 10.934, 198.237

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.358, 198.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 10.934, 198.237 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(90, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(90, 119, 119)  
}
```

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(90, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 119, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 10.934, 198.237 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(90, 119, 119) }
```

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

```
.border{ border-color:rgb(90, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(90, 119,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 10.934, 198.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 119, 119) }
```

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

```
.background{ background-color: rgb(90, 119,  
119) }
```

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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