

Converting Colors

CIELCh(48, 17.921, 151.791)

Have a look what the booklet for
CIELCh(48, 17.921, 151.791)
contains.

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Color

CIELCh(48, 17.844, 151.190)

Conversions

Conversions Part 1

Format	Color
Hex	5B7963
RGB	91, 121, 99
RGB Percent	36%, 47%, 39%
CMY	0.6432, 0.5255, 0.6118
CMYK	0.25, 0.00, 0.18, 0.53
HSL	136°, 14%, 42%
HSV	136°, 25%, 47%
XYZ	13.3994, 16.7945, 14.3357
YIQ	109.5220, -10.8180, -13.2020

Conversions

Conversions Part 2

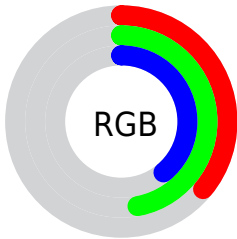
Format	Color
R_{YB}	91, 115, 121
Decimal	5994851
CIE _{Lab}	48.00, -15.64, 8.60
CIE _{LCh}	48, 17.844, 151.190
Yxy	16.7945, 0.3009, 0.3772
Android (android.graphics.Color)	4284184931 (0xFF5B7963)
YUV	109.5220, -5.1873, -16.2438
Hunter-Lab	40.9810, -13.3536, 7.9464

Details

The CIELCh color $48, 17.844, 151.190$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 17.976, 334.583$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 17.376, 151.387$, and $28, 17.902, 150.829$ is the 20% darker color. If you saturate the color by 10%, you get $47, 24.977, 150.272$, and if you desaturate by 10%, it is $49, 10.632, 151.995$.

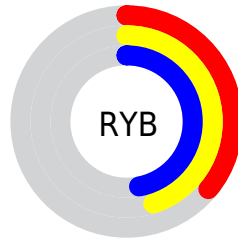
Distribution



Red (36%)

Green (47%)

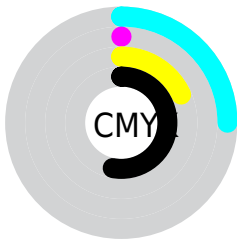
Blue (39%)



Red (36%)

Yellow (45%)

Blue (47%)

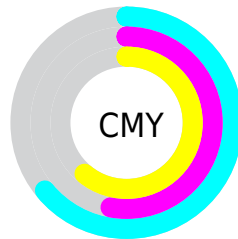


Cyan (25%)

Magenta (0%)

Yellow (18%)

Black (53%)



Cyan (64%)

Magenta (53%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 17.844, 151.190 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, 17.844, 151.190 by changing the saturation by 10% instead.


 48, 17.844,
151.190


 48, 17.844,
151.190


 100, 17.844,
151.190


 38, 17.844,
151.190

 68, 17.844,
151.190


 28, 17.844,
151.190

 78, 17.844,
151.190

 18, 17.844,
151.190


 88, 17.844,
151.190

 8, 17.844, 151.190

 98, 17.844,
151.190

 0, 17.844, 151.190

 48, 17.844,

 48, 17.844,

151.190

■ 47, 24.977,
150.272

■ 46, 31.919,
149.221

■ 46, 38.547,
148.019

■ 45, 44.727,
146.656

■ 45, 50.333,
145.130

■ 44, 55.252,
143.462

■ 44, 59.421,
141.723

■ 44, 61.388,
140.933

151.190

■ 49, 10.632,
151.995

■ 50, 3.427, 152.736

■ 51, 3.699, 333.220

■ 53, 10.693,
333.800

■ 54, 17.521,
334.289

■ 56, 24.160,
334.722

■ 58, 30.596,
335.110

■ 59, 36.826,
335.462

■ 61, 42.849,
335.781

Harmonies

Complementary

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



48, 17.844, 151.190



42, 17.976, 334.583

Rectangle

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



48, 17.844, 151.190



48, 17.844, 201.190



48, 17.844, 331.190



48, 17.844, 21.190

Sweetspot

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



48, 17.845, 151.190



64, 6.236, 152.557



49, 17.728, 119.096



33, 4.031, 152.527



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, 17.845, 151.190



61, 26.847, 150.658



48, 12.363, 178.532



25, 4.074, 152.418



45, 62.927, 140.864



87, 108.574, 139.804

Inverse Universe

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



42, 17.976, 334.583



53, 27.066, 335.007



42, 13.488, 3.240



24, 4.092, 333.510



27, 55.963, 341.899



56, 93.318, 342.857

Previews

White Background



This preview shows how the CIELCh color 48, 17.844, 151.190 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, 17.844, 151.190 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, 17.844, 151.190

Background



This preview shows how black text looks on a background with the CIELCh color 48, 17.844, 151.190.



This preview shows how white text looks on a background with the CIELCh color 48, 17.844, 151.190.

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, 17.844, 151.190

Protanopia

48, 10.990, 92.711

Deuteranopia

48, 9.850, 48.601



Tritanopia
48, 9.621, 236.745

Trichromacy



Original Color
48, 17.844, 151.190

Protanomaly
48, 12.100, 122.797

Deuteranomaly
47, 7.683, 102.790

Tritanomaly
48, 9.248, 194.736

Monochromacy



Original Color
48, 17.844, 151.190

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 6.557, 152.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 17.844, 151.190 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(91, 121, 99)` looks like.

```
.text, #text, p{  
    color:rgb(91, 121, 99)  
}
```

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(91, 121, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 121, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 17.844, 151.190 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(91, 121, 99) }
```

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

```
.border{ border-color:rgb(91, 121, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 121, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 121, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 121, 99);  
box-shadow:4px 4px 4px 4px rgb(91, 121,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 17.844, 151.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 121, 99) }
```

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

```
.background{ background-color: rgb(91, 121,  
99) }
```

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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