

Converting Colors

CIELCh(48, 18.777, 148.805)

Have a look what the booklet for
CIELCh(48, 18.777, 148.805)
contains.

CIELCh(48, 18.749, 148.821)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 18.749, 148.821)

Conversions

Conversions Part 1

Format	Color
Hex	5B7961
RGB	91, 121, 97
RGB Percent	36%, 47%, 38%
CMY	0.6427, 0.5251, 0.6192
CMYK	0.25, 0.00, 0.20, 0.53
HSL	132°, 14%, 42%
HSV	132°, 25%, 47%
XYZ	13.3368, 16.7945, 13.8726
YIQ	109.2940, -10.1760, -13.8240

Conversions

Conversions Part 2

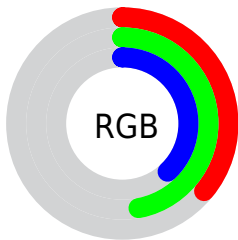
Format	Color
R _Y B	91, 116, 121
Decimal	5994849
CIE Lab	48.00, -16.04, 9.71
CIE LCh	48, 18.749, 148.821
Yxy	16.7945, 0.3031, 0.3817
Android (android.graphics.Color)	4284184929 (0xFF5B7961)
YUV	109.2940, -6.0609, -16.0438
Hunter-Lab	40.9810, -13.6260, 8.6163

Details

The CIELCh color $48, 18.749, 148.821$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $42, 18.830, 332.025$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 18.221, 149.101$, and $28, 18.396, 149.517$ is the 20% darker color. If you saturate the color by 10%, you get $47, 26.263, 147.933$, and if you desaturate by 10%, it is $49, 11.158, 149.595$.

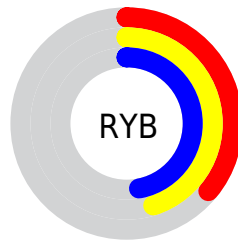
Distribution



Red (36%)

Green (47%)

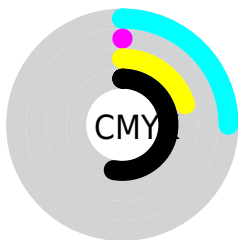
Blue (38%)



Red (36%)

Yellow (45%)

Blue (47%)

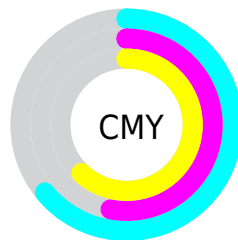


Cyan (25%)

Magenta (0%)

Yellow (20%)

Black (53%)



Cyan (64%)


Magenta (53%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 18.749, 148.821 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, 18.749, 148.821 by changing the saturation by 10% instead.


 48, 18.749,
148.821


 48, 18.749,
148.821


 100, 18.749,
148.821


 38, 18.749,
148.821

 68, 18.749,
148.821


 28, 18.749,
148.821

 78, 18.749,
148.821

 18, 18.749,
148.821


 88, 18.749,
148.821

 8, 18.749, 148.821

 98, 18.749,
148.821

 0, 18.749, 148.821

 48, 18.749,

 48, 18.749,

148.821

148.821

■ 47, 26.263,
147.933

■ 49, 11.158,
149.595

■ 46, 33.577,
146.914

■ 50, 3.583, 150.300

■ 46, 40.553,
145.750

■ 52, 3.899, 330.764

■ 53, 11.237,
331.306

■ 45, 47.038,
144.436

■ 54, 18.391,
331.757

■ 45, 52.879,
142.986

■ 56, 25.341,
332.153

■ 44, 57.926,
141.435

■ 58, 32.074,
332.504

■ 44, 62.073,
139.875

■ 59, 38.587,
332.817

■ 44, 63.960,
139.207

■ 61, 44.881,
333.098

Harmonies

Complementary

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



48, 18.749, 148.821



42, 18.830, 332.025

Rectangle

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



48, 18.749, 148.821



48, 18.749, 198.821



48, 18.749, 328.821



48, 18.749, 18.821

Sweetspot

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



48, 18.750, 148.821



64, 6.546, 150.129



50, 17.534, 115.683



33, 4.231, 150.101



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, 18.750, 148.821



61, 28.218, 148.306



48, 13.043, 172.546



25, 4.277, 149.997



45, 65.501, 139.148



87, 112.643, 138.247

Inverse Universe

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



42, 18.830, 332.025



53, 28.341, 332.410



42, 13.918, 357.273



24, 4.291, 331.034



28, 58.628, 337.759



57, 97.933, 338.390

Previews

White Background



This preview shows how the CIELCh color 48, 18.749, 148.821 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, 18.749, 148.821 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, 18.749, 148.821

Background



This preview shows how black text looks on a background with the CIELCh color 48, 18.749, 148.821.



This preview shows how white text looks on a background with the CIELCh color 48, 18.749, 148.821.

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, 18.749, 148.821

Protanopia

48, 12.124, 93.998

Deuteranopia

48, 10.556, 50.160



Tritanopia
48, 9.315, 233.636

Trichromacy



Original Color
48, 18.749, 148.821

Protanomaly
48, 13.231, 121.476

Deuteranomaly
48, 8.319, 100.212

Tritanomaly
48, 9.493, 187.582

Monochromacy



Original Color
48, 18.749, 148.821

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 6.567, 152.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 18.749, 148.821 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(91, 121, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 121, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 18.749, 148.821 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, 97) }
```

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

```
.border{ border-color:rgb(91, 121, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 121, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 121, 97);  
box-shadow:4px 4px 4px 4px rgb(91, 121,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 18.749, 148.821 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, 97) }
```

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

```
.background{ background-color: rgb(91, 121,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor