

Converting Colors

CIELCh(48, 15.228, 143.879)

Have a look what the booklet for
CIELCh(48, 15.228, 143.879)
contains.

CIELCh(48, 15.137, 143.399)	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, 15.137, 143.399)

Conversions

Conversions Part 1

Format	Color
Hex	627762
RGB	98, 119, 98
RGB Percent	38%, 47%, 38%
CMY	0.6142, 0.5318, 0.6142
CMYK	0.18, 0.00, 0.18, 0.53
HSL	120°, 10%, 43%
HSV	120°, 18%, 47%
XYZ	13.9447, 16.7945, 14.1563
YIQ	110.3270, -5.7750, -10.9830

Conversions

Conversions Part 2

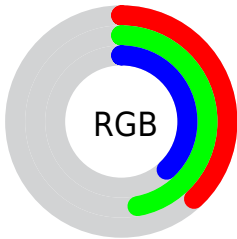
Format	Color
R_{YB}	98, 119, 119
Decimal	6453090
CIE _{Lab}	48.00, -12.15, 9.03
CIE _{LCh}	48, 15.137, 143.399
Yxy	16.7945, 0.3106, 0.3741
Android (android.graphics.Color)	4284643170 (0xFF627762)
YUV	110.3270, -6.0772, -10.8108
Hunter-Lab	40.9810, -10.9784, 8.2059

Details

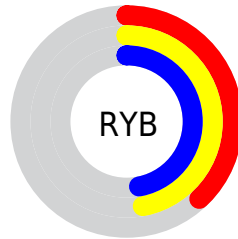
The CIELCh color $48, 15.137, 143.399$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 15.152, 325.347$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 14.818, 143.690$, and $28, 15.257, 144.105$ is the 20% darker color. If you saturate the color by 10%, you get $47, 23.766, 142.657$, and if you desaturate by 10%, it is $49, 6.502, 144.048$.

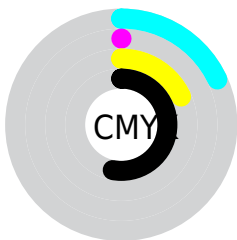
Distribution



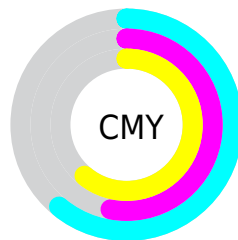
- Red (38%)
- Green (47%)
- Blue (38%)



- Red (38%)
- Yellow (47%)
- Blue (47%)



- Cyan (18%)
- Magenta (0%)
- Yellow (18%)
- Black (53%)





- Cyan (61%)
- Magenta (53%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 15.137, 143.399 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, 15.137, 143.399 by changing the saturation by 10% instead.


 48, 15.137,
143.399


 48, 15.137,
143.399


 100, 15.137,
143.399


 38, 15.137,
143.399

 68, 15.137,
143.399


 28, 15.137,
143.399

 78, 15.137,
143.399

 18, 15.137,
143.399


 88, 15.137,
143.399

 8, 15.137, 143.399

 98, 15.137,
143.399

 0, 15.137, 143.399

 48, 15.137,

 48, 15.137,

143.399

143.399

■ 47, 23.766,
142.657

■ 49, 6.502, 144.048

■ 46, 32.247,
141.806

■ 51, 2.043, 324.475

■ 45, 40.403,
140.846

■ 52, 10.425,
325.004

■ 45, 48.014,
139.797

■ 53, 18.596,
325.403

■ 44, 54.810,
138.710

■ 55, 26.528,
325.739

■ 44, 60.483,
137.675

■ 57, 34.207,
326.026

■ 43, 64.721,
136.815

■ 59, 41.630,
326.271

■ 43, 67.648,
136.174

■ 60, 48.800,
326.482

■ 43, 68.347,
136.015

■ 62, 55.725,
326.664

Harmonies

Complementary

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



48, 15.137, 143.399



44, 15.152, 325.347

Rectangle

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



48, 15.137, 143.399



48, 15.137, 193.399



48, 15.137, 323.399



48, 15.137, 13.399

Sweetspot

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



48, 15.138, 143.399



63, 5.299, 144.203



50, 12.020, 107.866



33, 3.646, 144.167



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, 15.138, 143.399



61, 22.451, 143.121



48, 10.637, 161.351



24, 4.750, 143.960



44, 69.576, 136.015



86, 117.958, 136.016

Inverse Universe

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



44, 15.152, 325.347



56, 22.466, 325.553



44, 10.847, 344.170



23, 4.757, 324.887



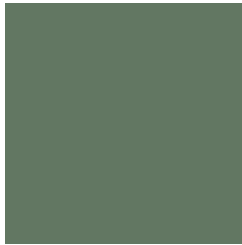
28, 67.130, 328.229



59, 113.811, 328.229

Previews

White Background



This preview shows how the CIELCh color 48, 15.137, 143.399 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, 15.137, 143.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

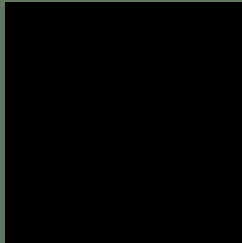
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 15.137, 143.399

Background



This preview shows how black text looks on a background with the CIELCh color 48, 15.137, 143.399.



This preview shows how white text looks on a background with the CIELCh color 48, 15.137, 143.399.

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, 15.137, 143.399

Protanopia

48, 10.990, 92.711

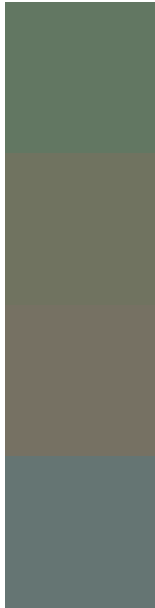
Deuteranopia

48, 10.136, 55.340



Tritanopia
48, 7.154, 247.097

Trichromacy



Original Color
48, 15.137, 143.399

Protanomaly
48, 11.211, 115.215

Deuteranomaly
48, 8.490, 94.482

Tritanomaly
48, 6.425, 188.128

Monochromacy



Original Color
48, 15.137, 143.399

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 5.776, 144.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 15.137, 143.399 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(98, 119, 98)` looks like.

```
.text, #text, p{  
    color:rgb(98, 119, 98)  
}
```

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(98, 119, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 119, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 15.137, 143.399 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(98, 119, 98) }
```

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

```
.border{ border-color:rgb(98, 119, 98) }
```

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

Here you see how a box with a 4 pixel rgb(98, 119, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 119, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 119, 98);  
box-shadow:4px 4px 4px 4px rgb(98, 119,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 15.137, 143.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 119, 98) }
```

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

```
.background{ background-color: rgb(98, 119, 98) }
```

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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