

Converting Colors

CIELCh(50, 15.307, 143.421)

Have a look what the booklet for
CIELCh(50, 15.307, 143.421)
contains.

CIELCh(50, 15.719, 143.396)	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(50, 15.719, 143.396)

Conversions

Conversions Part 1

Format	Color
Hex	677D67
RGB	103, 125, 103
RGB Percent	40%, 49%, 40%
CMY	0.5974, 0.5111, 0.5974
CMYK	0.18, 0.00, 0.18, 0.51
HSL	120°, 10%, 45%
HSV	120°, 18%, 49%
XYZ	15.2786, 18.4187, 15.4961
YIQ	115.9140, -6.0500, -11.5060

Conversions

Conversions Part 2

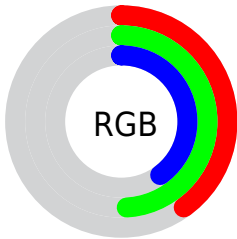
Format	Color
R_{YB}	103, 125, 125
Decimal	6782311
CIE _{Lab}	50.00, -12.62, 9.37
CIE _{LCh}	50, 15.719, 143.396
Y _{xy}	18.4187, 0.3106, 0.3744
Android (android.graphics.Color)	4284972391 (0xFF677D67)
YUV	115.9140, -6.3666, -11.3256
Hunter-Lab	42.9170, -11.5581, 8.6339

Details

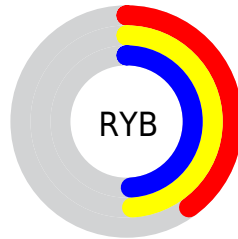
The CIELCh color **50, 15.719, 143.396** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 15.734, 325.359**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 16.051, 143.646**, and **30, 15.607, 142.876** is the 20% darker color. If you saturate the color by 10%, you get **49, 24.657, 142.650**, and if you desaturate by 10%, it is **51, 6.772, 144.049**.

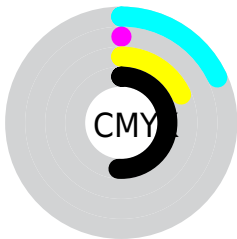
Distribution



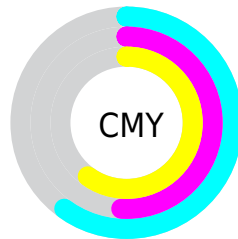
- Red (40%)
- Green (49%)
- Blue (40%)



- Red (40%)
- Yellow (49%)
- Blue (49%)



- Cyan (18%)
- Magenta (0%)
- Yellow (18%)
- Black (51%)





- Cyan (60%)
- Magenta (51%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 15.719, 143.396 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 50, 15.719, 143.396 by changing the saturation by 10% instead.


 50, 15.719,
143.396


 50, 15.719,
143.396


 100, 15.719,
143.396


 40, 15.719,
143.396


 70, 15.719,
143.396


 30, 15.719,
143.396


 80, 15.719,
143.396


 20, 15.719,
143.396

 90, 15.719,
143.396

 10, 15.719,
143.396

 0, 15.719, 143.396

 50, 15.719,
143.396

 50, 15.719,
143.396

49, 24.657,
142.650

51, 6.772, 144.049

48, 33.439,
141.792

53, 2.081, 324.477

47, 41.879,
140.825

54, 10.764,
325.010

46, 49.745,
139.769

56, 19.229,
325.410

46, 56.753,
138.677

57, 27.444,
325.748

46, 62.583,
137.640

59, 35.397,
326.035

45, 66.907,
136.786

61, 43.083,
326.281

45, 69.821,
136.166

63, 50.505,
326.493

45, 70.496,

65, 57.673,
326.675

Harmonies

Complementary

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



50, 15.719, 143.396



46, 15.734, 325.359

Rectangle

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



50, 15.719, 143.396



50, 15.719, 193.396



50, 15.719, 323.396



50, 15.719, 13.396

Sweetspot

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



50, 15.720, 143.396



66, 5.511, 144.207



52, 12.686, 108.545



34, 3.743, 144.171



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 15.720, 143.396



64, 23.348, 143.120



50, 10.909, 162.210



25, 4.922, 143.961



45, 70.612, 136.018



87, 118.867, 136.017

Inverse Universe

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



46, 15.734, 325.359



58, 23.363, 325.563



46, 11.144, 345.092



24, 4.930, 324.897



29, 68.125, 328.237



60, 114.679, 328.238

Previews

White Background



This preview shows how the CIELCh color 50, 15.719, 143.396 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 15.719, 143.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

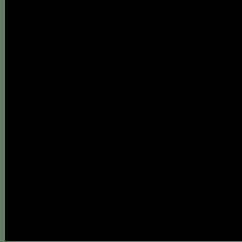
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 15.719, 143.396

Background



This preview shows how black text looks on a background with the CIELCh color 50, 15.719, 143.396.



This preview shows how white text looks on a background with the CIELCh color 50, 15.719, 143.396.

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

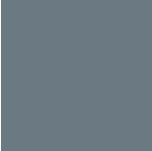
50, 15.719, 143.396

Protanopia

50, 10.904, 92.801

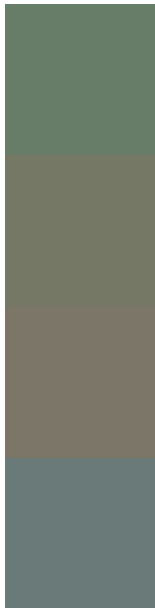
Deuteranopia

50, 10.454, 50.199



Tritanopia
50, 7.360, 244.885

Trichromacy



Original Color
50, 15.719, 143.396

Protanomaly
50, 11.128, 115.258

Deuteranomaly
50, 8.424, 94.550

Tritanomaly
50, 6.754, 188.708

Monochromacy



Original Color
50, 15.719, 143.396

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 5.731, 144.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 15.719, 143.396 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(103, 125, 103)` looks like.

```
.text, #text, p{  
    color:rgb(103, 125, 103)  
}
```

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(103, 125, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 125, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 15.719, 143.396 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(103, 125, 103) }
```

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

```
.border{ border-color:rgb(103, 125, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 125, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 125, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 125, 103);  
box-shadow:4px 4px 4px 4px rgb(103, 125,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 15.719, 143.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 125, 103) }
```

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

```
.background{ background-color: rgb(103,  
125, 103) }
```

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