

Converting Colors

CIELCh(50, 16.453, 147.792)

Have a look what the booklet for
CIELCh(50, 16.453, 147.792)
contains.

CIELCh(50, 15.983, 147.873)	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, 15.983, 147.873)

Conversions

Conversions Part 1

Format	Color
Hex	647D68
RGB	100, 125, 104
RGB Percent	39%, 49%, 41%
CMY	0.6073, 0.5093, 0.5917
CMYK	0.20, 0.00, 0.17, 0.51
HSL	130°, 11%, 44%
HSV	130°, 20%, 49%
XYZ	15.1246, 18.4187, 15.8881
YIQ	115.1310, -8.1590, -11.8310

Conversions

Conversions Part 2

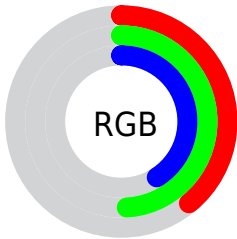
Format	Color
R_{YB}	100, 122, 125
Decimal	6585704
CIE _{Lab}	50.00, -13.54, 8.50
CIE _{LCh}	50, 15.983, 147.873
Yxy	18.4187, 0.3060, 0.3726
Android (android.graphics.Color)	4284775784 (0xFF647D68)
YUV	115.1310, -5.4876, -13.2699
Hunter-Lab	42.9170, -12.1987, 8.0923

Details

The CIELCh color $50, 15.983, 147.873$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 16.030, 330.324$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 16.298, 147.814$, and $30, 15.885, 147.641$ is the 20% darker color. If you saturate the color by 10%, you get $49, 23.986, 147.055$, and if you desaturate by 10%, it is $51, 7.952, 148.589$.

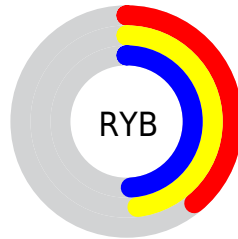
Distribution



Red (39%)

Green (49%)

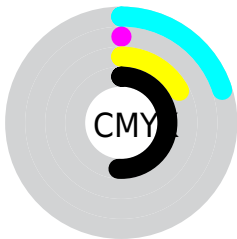
Blue (41%)



Red (39%)

Yellow (48%)

Blue (49%)

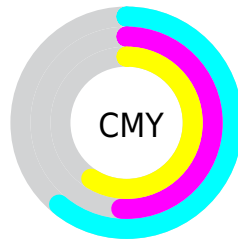


Cyan (20%)

Magenta (0%)

Yellow (17%)

Black (51%)



Cyan (61%)


Magenta (51%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 15.983, 147.873 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, 15.983, 147.873 by changing the saturation by 10% instead.


 50, 15.983,
147.873


 50, 15.983,
147.873


 100, 15.983,
147.873


 40, 15.983,
147.873


 70, 15.983,
147.873

 30, 15.983,
147.873


 80, 15.983,
147.873


 20, 15.983,
147.873

 90, 15.983,
147.873

 10, 15.983,
147.873

 0, 15.983, 147.873

 50, 15.983,
147.873

 50, 15.983,
147.873

■ 49, 23.986,
147.055

■ 51, 7.952, 148.589

■ 48, 31.839,
146.113

■ 52, 0.019, 317.884

■ 47, 39.398,
145.034

■ 54, 7.857, 329.669

■ 47, 46.497,
143.813

■ 55, 15.517,
330.141

■ 46, 52.959,
142.463

■ 57, 22.967,
330.546

■ 46, 58.599,
141.019

■ 59, 30.190,
330.900

■ 45, 63.244,
139.549

■ 60, 37.178,
331.213

■ 45, 66.893,
138.304

■ 62, 43.932,
331.490

■ 45, 66.899,

■ 64, 50.456,
331.738

Harmonies

Complementary

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



50, 15.983, 147.873



45, 16.030, 330.324

Rectangle

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



50, 15.983, 147.873



50, 15.983, 197.873



50, 15.983, 327.873



50, 15.983, 17.873

Sweetspot

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



50, 15.984, 147.873



66, 5.921, 148.849



52, 14.507, 114.631



34, 3.909, 148.815



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, 15.984, 147.873



63, 23.869, 147.511



50, 11.111, 170.803



26, 4.556, 148.648



46, 67.857, 138.272



0, 0.000, 0.000

Inverse Universe

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



45, 16.030, 330.324



57, 23.938, 330.603



45, 11.633, 354.472



25, 4.568, 329.665



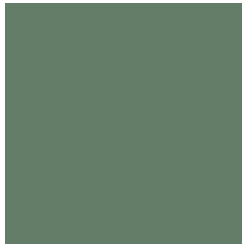
28, 61.242, 335.543



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 15.983, 147.873 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 CIE LCh color 50, 15.983, 147.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

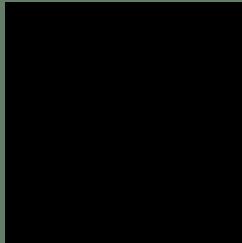
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 15.983, 147.873

Background



This preview shows how black text looks on a background with the CIELCh color 50, 15.983, 147.873.

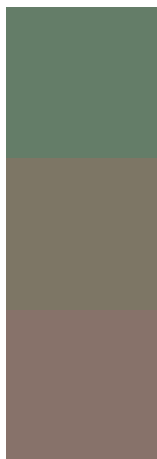


This preview shows how white text looks on a background with the CIELCh color 50, 15.983, 147.873.

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, 15.983, 147.873

Protanopia

50, 10.344, 92.036

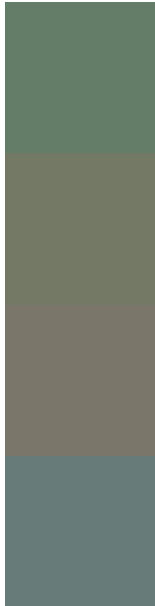
Deuteranopia

50, 10.143, 47.489



Tritanopia
50, 8.255, 244.321

Trichromacy



Original Color
50, 15.983, 147.873

Protanomaly
50, 11.250, 119.498

Deuteranomaly
50, 7.758, 96.624

Tritanomaly
50, 7.851, 189.995

Monochromacy



Original Color
50, 15.983, 147.873

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.974, 147.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 15.983, 147.873 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(100, 125, 104)` looks like.

```
.text, #text, p{  
    color:rgb(100, 125, 104)  
}
```

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(100, 125, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 125, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 15.983, 147.873 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(100, 125, 104) }
```

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

```
.border{ border-color:rgb(100, 125, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 125, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 125, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 125, 104);  
box-shadow:4px 4px 4px 4px rgb(100, 125,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 15.983, 147.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 125, 104) }
```

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

```
.background{ background-color: rgb(100,  
125, 104) }
```

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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