

Converting Colors

CIELCh(50, 9.776, 143.262)

Have a look what the booklet for
CIELCh(50, 9.776, 143.262) contains.

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Color

CIELCh(50, 10.003, 143.811)

Conversions

Conversions Part 1

Format	Color
Hex	6D7B6D
RGB	109, 123, 109
RGB Percent	43%, 48%, 43%
CMY	0.5737, 0.5189, 0.5737
CMYK	0.11, 0.00, 0.11, 0.52
HSL	120°, 6%, 45%
HSV	120°, 11%, 48%
XYZ	16.0579, 18.4187, 17.0913
YIQ	117.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

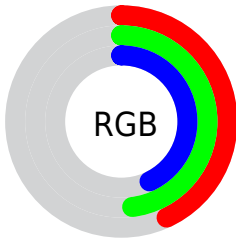
Format	Color
R_{YB}	109, 123, 123
Decimal	7175021
CIE Lab	50.00, -8.07, 5.91
CIE LCh	50, 10.003, 143.811
Yxy	18.4187, 0.3114, 0.3572
Android (android.graphics.Color)	4285365101 (0xFF6D7B6D)
YUV	117.2180, -4.0515, -7.2072
Hunter-Lab	42.9170, -8.3169, 6.4301

Details

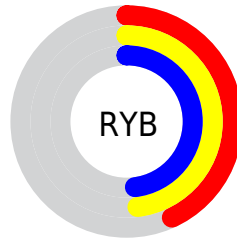
The CIELCh color **50, 10.003, 143.811** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 10.018, 325.023**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 9.817, 142.213**, and **30, 9.649, 145.594** is the 20% darker color. If you saturate the color by 10%, you get **49, 18.847, 143.129**, and if you desaturate by 10%, it is **51, 1.221, 144.517**.

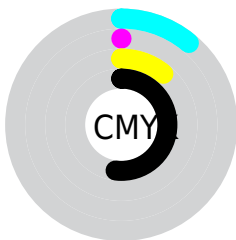
Distribution



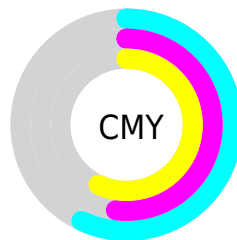
- Red (43%)
- Green (48%)
- Blue (43%)



- Red (43%)
- Yellow (48%)
- Blue (48%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (52%)



- Cyan (57%)
- Magenta (52%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 10.003, 143.811 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, 10.003, 143.811 by changing the saturation by 10% instead.

■ 50, 10.003,
143.811

■ 50, 10.003,
143.811

■ 100, 10.003,
143.811

■ 40, 10.003,
143.811

■ 70, 10.003,
143.811

■ 30, 10.003,
143.811

■ 80, 10.003,
143.811

■ 20, 10.003,
143.811

■ 90, 10.003,
143.811

■ 10, 10.003,
143.811

■ 0, 10.003, 143.811

■ 50, 10.003,
143.811

■ 50, 10.003,
143.811

■ 49, 18.847,
143.129

■ 51, 1.221, 144.517

■ 48, 27.630,
142.343

■ 53, 7.420, 324.835

■ 47, 36.196,
141.445

■ 54, 15.861,
325.265

■ 46, 44.347,
140.443

■ 56, 24.066,
325.624

■ 46, 51.835,
139.368

■ 58, 32.016,
325.929

■ 45, 58.365,
138.285

■ 59, 39.703,
326.190

■ 45, 63.612,
137.301

■ 61, 47.129,
326.413

■ 44, 67.276,
136.547

■ 63, 54.300,
326.606

■ 44, 69.694,

■ 65, 61.227,
326.772

Harmonies

Complementary

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



50, 10.003, 143.811



48, 10.018, 325.023

Rectangle

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



50, 10.003, 143.811



50, 10.003, 193.811



50, 10.003, 323.811



50, 10.003, 13.811

Sweetspot

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



50, 10.004, 143.811



66, 3.256, 144.347



51, 8.109, 109.124



34, 2.490, 144.294



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, 10.004, 143.811



64, 15.332, 143.620



50, 6.966, 162.773



25, 4.922, 143.959



45, 70.613, 136.017



87, 118.868, 136.016

Inverse Universe

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



48, 10.018, 325.023



60, 15.348, 325.181



47, 7.066, 344.529



24, 4.930, 324.896



29, 68.128, 328.235



60, 114.683, 328.235

Previews

White Background



This preview shows how the CIE LCh color 50, 10.003, 143.811 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, 10.003, 143.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

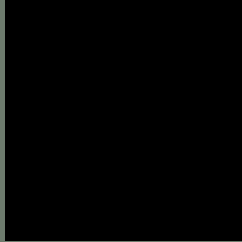
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 10.003, 143.811

Background



This preview shows how black text looks on a background with the CIELCh color 50, 10.003, 143.811.

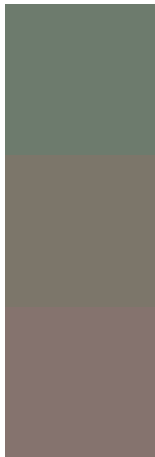


This preview shows how white text looks on a background with the CIELCh color 50, 10.003, 143.811.

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, 10.003, 143.811

Protanopia
50, 7.430, 89.366

Deuteranopia
50, 8.130, 41.066



Tritanopia
50, 6.030, 260.300

Trichromacy



Original Color
50, 10.003, 143.811

Protanomaly
50, 7.618, 115.449

Deuteranomaly
50, 5.280, 81.329

Tritanomaly
50, 3.951, 207.611

Monochromacy



Original Color
50, 10.003, 143.811

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 3.573, 144.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 10.003, 143.811 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(109, 123, 109)` looks like.

```
.text, #text, p{  
    color:rgb(109, 123, 109)  
}
```

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(109, 123, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 123, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 10.003, 143.811 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(109, 123, 109) }
```

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

```
.border{ border-color:rgb(109, 123, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 123, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 123, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 123, 109);  
box-shadow:4px 4px 4px 4px rgb(109, 123,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 10.003, 143.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 123, 109) }
```

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

```
.background{ background-color: rgb(109,  
123, 109) }
```

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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