

Converting Colors

CIELCh(50, 12.119, 122.952)

Have a look what the booklet for
CIELCh(50, 12.119, 122.952)
contains.

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Color

CIELCh(50, 11.992, 122.837)

Conversions

Conversions Part 1

Format	Color
Hex	737A66
RGB	115, 122, 102
RGB Percent	45%, 48%, 40%
CMY	0.5502, 0.5228, 0.6012
CMYK	0.06, 0.00, 0.16, 0.52
HSL	81°, 9%, 44%
HSV	81°, 16%, 48%
XYZ	16.3331, 18.4187, 15.1853
YIQ	117.6270, 2.2480, -7.7040

Conversions

Conversions Part 2

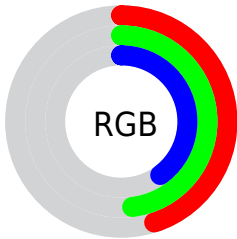
Format	Color
RYB	102, 122, 109
Decimal	7567974
CIELab	50.00, -6.50, 10.08
CIELCh	50, 11.992, 122.837
Yxy	18.4187, 0.3271, 0.3688
Android (android.graphics.Color)	4285758054 (0xFF737A66)
YUV	117.6270, -7.7041, -2.3039
Hunter-Lab	42.9170, -7.1720, 9.0633

Details

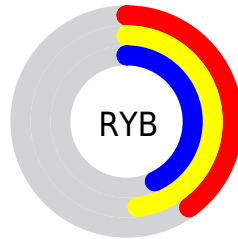
The CIELCh color **50, 11.992, 122.837** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 12.336, 304.560**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 11.771, 122.408**, and **30, 11.750, 121.838** is the 20% darker color. If you saturate the color by 10%, you get **49, 19.248, 122.314**, and if you desaturate by 10%, it is **51, 4.692, 123.361**.

Distribution



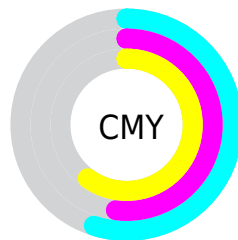
- Red (45%)
- Green (48%)
- Blue (40%)



- Red (40%)
- Yellow (48%)
- Blue (43%)



- Cyan (6%)
- Magenta (0%)
- Yellow (16%)
- Black (52%)





- Cyan (55%)
- Magenta (52%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 11.992, 122.837 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, 11.992, 122.837 by changing the saturation by 10% instead.


 50, 11.992,
122.837


 50, 11.992,
122.837


 100, 11.992,
122.837


 40, 11.992,
122.837


 70, 11.992,
122.837

 30, 11.992,
122.837


 80, 11.992,
122.837


 20, 11.992,
122.837

 90, 11.992,
122.837

 10, 11.992,
122.837

 0, 11.992, 122.837

 50, 11.992,
122.837

 50, 11.992,
122.837

■ 49, 19.248,
122.314

■ 51, 4.692, 123.361

■ 49, 26.394,
121.794

■ 51, 2.613, 303.827

■ 52, 9.889, 304.307

■ 48, 33.342,
121.309

■ 53, 17.115,
304.745

■ 48, 39.958,
120.899

■ 54, 24.272,
305.150

■ 47, 46.056,
120.625

■ 55, 31.349,
305.523

■ 47, 51.380,
120.572

■ 55, 38.337,
305.866

■ 47, 55.633,
120.842

■ 56, 45.230,
306.180

■ 46, 58.743,
121.455

■ 57, 52.023,
306.467

■ 46, 59.826,

121.654

Harmonies

Complementary

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



50, 11.992, 122.837



44, 12.336, 304.560

Rectangle

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



50, 11.992, 122.837



50, 11.992, 172.837



50, 11.992, 302.837



50, 11.992, 352.837

Sweetspot

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



50, 11.993, 122.840



65, 4.518, 123.430



47, 6.914, 56.397



33, 3.066, 123.400



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 11.993, 122.840



64, 18.076, 122.627



49, 13.668, 139.495



25, 4.131, 123.224



48, 60.992, 121.696



91, 103.274, 122.512

Inverse Universe

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



44, 12.336, 304.560



55, 18.726, 304.809



45, 13.748, 320.999



24, 4.200, 304.136



16, 75.559, 309.376



36, 128.012, 308.848

Previews

White Background



This preview shows how the CIE LCh color 50, 11.992, 122.837 looks on a white background.

Color Contrast Check

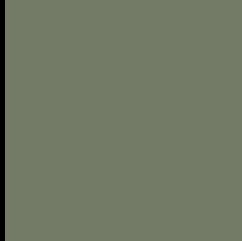
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.992, 122.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

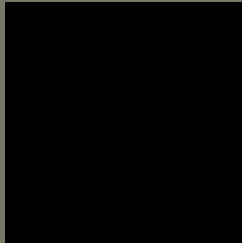
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

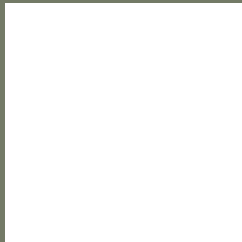
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 11.992, 122.837

Background



This preview shows how black text looks on a background with the CIELCh color 50, 11.992, 122.837.



This preview shows how white text looks on a background with the CIELCh color 50, 11.992, 122.837.

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, 11.992, 122.837

Protanopia

50, 11.342, 95.607

Deuteranopia

50, 11.510, 53.889



Tritanopia
50, 5.273, 290.871

Trichromacy



Original Color
50, 11.992, 122.837

Protanomaly
50, 11.046, 106.514

Deuteranomaly
50, 9.427, 79.206

Tritanomaly
50, 0.995, 163.799

Monochromacy



Original Color
50, 11.992, 122.837

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 4.838, 124.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 11.992, 122.837 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(115, 122, 102)` looks like.

```
.text, #text, p{  
    color:rgb(115, 122, 102)  
}
```

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(115, 122, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 122, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 11.992, 122.837 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(115, 122, 102) }
```

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

```
.border{ border-color:rgb(115, 122, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 122, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 122, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 122, 102);  
box-shadow:4px 4px 4px 4px rgb(115, 122,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 11.992, 122.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 122, 102) }
```

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

```
.background{ background-color: rgb(115,  
122, 102) }
```

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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