

Converting Colors

CIELCh(45, 12.451, 2.442)

Have a look what the booklet for
CIELCh(45, 12.451, 2.442) contains.

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Color

CIELCh(45, 12.483, 1.698)

Conversions

Conversions Part 1

Format	Color
Hex	7F636A
RGB	127, 99, 106
RGB Percent	50%, 39%, 42%
CMY	0.5010, 0.6109, 0.5834
CMYK	0.00, 0.22, 0.17, 0.50
HSL	345°, 12%, 44%
HSV	345°, 22%, 50%
XYZ	15.8840, 14.5417, 15.6670
YIQ	108.1700, 14.4410, 8.1130

Conversions

Conversions Part 2

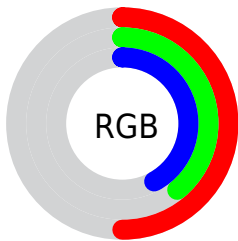
Format	Color
R_{YB}	127, 99, 106
Decimal	8348522
CIE _{Lab}	45.00, 12.48, 0.37
CIE _{LCh}	45, 12.483, 1.698
Yxy	14.5417, 0.3446, 0.3155
Android (android.graphics.Color)	4286538602 (0xFF7F636A)
YUV	108.1700, -1.0698, 16.5139
Hunter-Lab	38.1336, 7.6179, 2.3345

Details

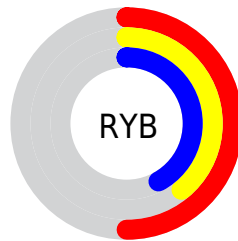
The CIELCh color $45, 12.483, 1.698$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $51, 11.603, 177.556$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 12.345, 2.359$, and $25, 12.477, 0.600$ is the 20% darker color. If you saturate the color by 10%, you get $41, 18.483, 2.993$, and if you desaturate by 10%, it is $49, 6.669, 0.589$.

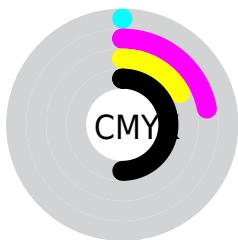
Distribution



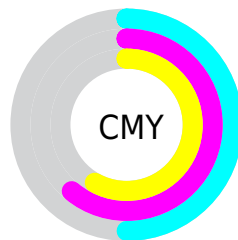
- Red (50%)
- Green (39%)
- Blue (42%)



- Red (50%)
- Yellow (39%)
- Blue (42%)



- Cyan (0%)
- Magenta (22%)
- Yellow (17%)
- Black (50%)



- Cyan (50%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 12.483, 1.698 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 45, 12.483, 1.698 by changing the saturation by 10% instead.

■ 45, 12.483, 1.698 ■ 45, 12.483, 1.698

■ 100, 12.483, 1.698 ■ 35, 12.483, 1.698

■ 65, 12.483, 1.698 ■ 25, 12.483, 1.698

■ 75, 12.483, 1.698 ■ 15, 12.483, 1.698

■ 85, 12.483, 1.698 ■ 5, 12.483, 1.698

■ 95, 12.483, 1.698 ■ 0, 12.483, 1.698

■ 45, 12.483, 1.698 ■ 45, 12.483, 1.698

■ 41, 18.483, 2.993 ■ 49, 6.669, 0.589

■ 38, 24.582, 4.535 ■ 53, 1.095, 359.379

■ 35, 30.633, 6.415 ■ 56, 4.222, 178.964

■ 32, 36.431, 8.748

■ 60, 9.282, 178.189

■ 30, 41.741, 11.673

■ 64, 14.095,
177.522

■ 28, 46.350, 15.334

■ 68, 18.678,
176.926

■ 26, 50.168, 19.818

■ 26, 53.101, 23.501

■ 72, 23.049,
176.386

■ 76, 27.230,
175.892

■ 80, 31.237,
175.439

Harmonies

Complementary

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



45, 12.483, 1.698



51, 11.603, 177.556

Rectangle

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



45, 12.483, 1.698



45, 12.483, 51.698



45, 12.483, 181.698



45, 12.483, 231.698

Sweetspot

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



45, 12.481, 1.702



65, 4.772, 0.081



45, 18.680, 318.201



34, 3.128, 0.128



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 12.481, 1.702



56, 18.462, 2.270



47, 10.011, 44.578



25, 3.114, 0.284



26, 53.184, 23.514



0, 0.000, 0.000

Inverse Universe

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



45, 12.481, 1.702



56, 18.462, 2.270



49, 8.765, 226.793



25, 3.114, 0.284



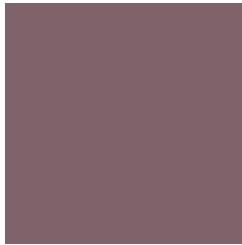
26, 53.184, 23.514



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 12.483, 1.698 looks on a white background.

Color Contrast Check

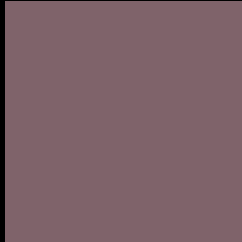
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 12.483, 1.698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

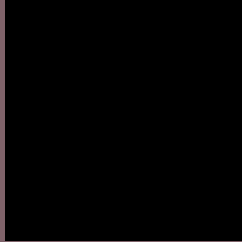
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.483, 1.698

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.483, 1.698.



This preview shows how white text looks on a background with the CIELCh color 45, 12.483, 1.698.

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


45, 12.483, 1.698

Protanopia

45, 2.535, 309.188

Deuteranopia

45, 5.983, 8.677



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 12.483, 1.698

Protanomaly
45, 5.441, 346.913

Deuteranomaly
45, 8.186, 7.896

Tritanomaly
45, 12.655, 359.130

Monochromacy



Original Color
45, 12.483, 1.698

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.322, 3.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.483, 1.698 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(127, 99, 106)` looks like.

```
.text, #text, p{  
    color:rgb(127, 99, 106)  
}
```

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(127, 99, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 99, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.483, 1.698 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(127, 99, 106) }
```

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

```
.border{ border-color:rgb(127, 99, 106) }
```

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

Here you see how a box with a 4 pixel rgb(127, 99, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 99, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 99, 106);  
box-shadow:4px 4px 4px 4px rgb(127, 99,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.483, 1.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 99, 106) }
```

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

```
.background{ background-color: rgb(127, 99,  
106) }
```

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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