

Converting Colors

CIELCh(50, 25.327, 111.325)

Have a look what the booklet for
CIELCh(50, 25.327, 111.325)
contains.

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Color

CIELCh(50, 25.288, 110.900)

Conversions

Conversions Part 1

Format	Color
Hex	767A4E
RGB	118, 122, 78
RGB Percent	46%, 48%, 31%
CMY	0.5361, 0.5204, 0.6930
CMYK	0.03, 0.00, 0.36, 0.52
HSL	65°, 22%, 39%
HSV	65°, 36%, 48%
XYZ	15.8932, 18.4187, 9.9779
YIQ	115.7880, 11.7400, -14.5320

Conversions

Conversions Part 2

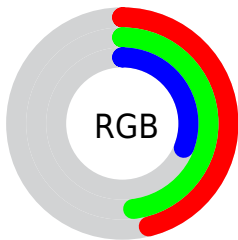
Format	Color
R_{YB}	78, 122, 82
Decimal	7764558
CIE Lab	50.00, -9.02, 23.62
CIE LCh	50, 25.288, 110.900
Yxy	18.4187, 0.3588, 0.4159
Android (android.graphics.Color)	4285954638 (0xFF767A4E)
YUV	115.7880, -18.6295, 1.9399
Hunter-Lab	42.9170, -9.0017, 16.2573

Details

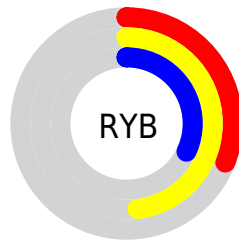
The CIELCh color **50, 25.288, 110.900** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **35, 27.518, 297.438**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 24.901, 110.484**, and **30, 25.260, 109.999** is the 20% darker color. If you saturate the color by 10%, you get **50, 31.974, 110.149**, and if you desaturate by 10%, it is **50, 18.388, 111.690**.

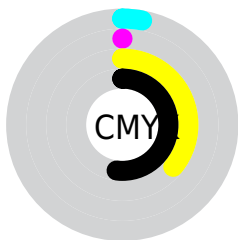
Distribution



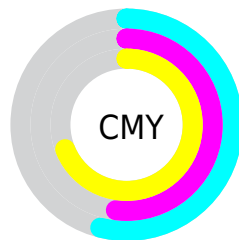
- Red (46%)
- Green (48%)
- Blue (31%)



- Red (31%)
- Yellow (48%)
- Blue (32%)



- Cyan (3%)
- Magenta (0%)
- Yellow (36%)
- Black (52%)





- Cyan (54%)
- Magenta (52%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 25.288, 110.900 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, 25.288, 110.900 by changing the saturation by 10% instead.


 50, 25.288,
110.900


 50, 25.288,
110.900


 100, 25.288,
110.900


 40, 25.288,
110.900


 70, 25.288,
110.900

 30, 25.288,
110.900


 80, 25.288,
110.900


 20, 25.288,
110.900

 90, 25.288,
110.900

 10, 25.288,
110.900

 0, 25.288, 110.900

 50, 25.288,
110.900

 50, 25.288,
110.900

■ 50, 31.974,
110.149

■ 50, 18.388,
111.690

■ 49, 38.308,
109.457

■ 51, 11.359,
112.487

■ 49, 44.098,
108.868

■ 51, 4.262, 113.277

■ 52, 2.864, 294.066

■ 49, 49.078,
108.433

■ 52, 9.991, 294.813

■ 49, 52.939,
108.210

■ 53, 17.099,
295.534

■ 49, 55.572,
108.218

■ 53, 24.174,
296.221

■ 49, 56.573,
108.225

■ 54, 31.206,
296.873

■ 54, 38.184,
297.488

Harmonies

Complementary

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



50, 25.288, 110.900



35, 27.518, 297.438

Rectangle

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



50, 25.288, 110.900



50, 25.288, 160.900



50, 25.288, 290.900



50, 25.288, 340.900

Sweetspot

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



50, 25.289, 110.903



65, 9.650, 112.863



39, 18.687, 28.804



33, 6.447, 112.780



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, 25.289, 110.903



63, 36.974, 110.293



48, 27.736, 130.341



26, 4.008, 113.036



50, 57.453, 108.237



95, 96.769, 108.520

Inverse Universe

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



35, 27.518, 297.438



42, 41.204, 298.544



38, 28.839, 313.476



23, 4.091, 294.506



13, 78.346, 306.717



32, 132.320, 306.509

Previews

White Background



This preview shows how the CIE LCh color 50, 25.288, 110.900 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 CIELCh color 50, 25.288, 110.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

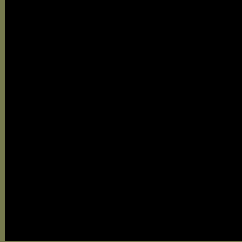
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 25.288, 110.900

Background



This preview shows how black text looks on a background with the CIELCh color 50, 25.288, 110.900.



This preview shows how white text looks on a background with the CIELCh color 50, 25.288, 110.900.

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, 25.288, 110.900

Protanopia

50, 24.645, 96.321

Deuteranopia

50, 23.808, 74.929



Tritanopia
50, 6.696, 319.124

Trichromacy



Original Color
50, 25.288, 110.900

Protanomaly
50, 24.831, 101.663

Deuteranomaly
50, 23.248, 88.970

Tritanomaly
50, 5.497, 91.846

Monochromacy



Original Color
50, 25.288, 110.900

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 9.345, 111.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 25.288, 110.900 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(118, 122, 78)` looks like.

```
.text, #text, p{  
    color:rgb(118, 122, 78)  
}
```

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(118, 122, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 25.288, 110.900 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".

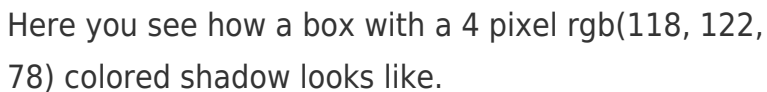
```
.border, #border, table{ border:4px solid rgb(118, 122, 78) }
```

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

```
.border{ border-color:rgb(118, 122, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 122, 78)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 122, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 122, 78);  
box-shadow:4px 4px 4px 4px rgb(118, 122,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 25.288, 110.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 122, 78) }
```

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

```
.background{ background-color: rgb(118,  
122, 78) }
```

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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