

Converting Colors

CIELCh(50, 33.918, 106.026)

Have a look what the booklet for
CIELCh(50, 33.918, 106.026)
contains.

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Color

CIELCh(50, 33.875, 105.703)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7A7A3E |
| RGB | 122, 122, 62 |
| RGB Percent | 48%, 48%, 24% |
| CMY | 0.5214, 0.5214, 0.7567 |
| CMYK | 0.00, 0.00, 0.49, 0.52 |
| HSL | 60°, 33%, 36% |
| HSV | 60°, 49%, 48% |
| XYZ | 15.8678, 18.4187, 7.2821 |
| YIQ | 115.1600, 19.2600, -18.6600 |

Conversions

Conversions Part 2

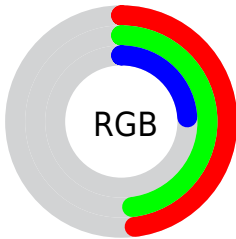
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 62, 122, 62 |
| Decimal | 8026686 |
| CIELab | 50.00, -9.17, 32.61 |
| CIELCh | 50, 33.875, 105.703 |
| Yxy | 18.4187, 0.3817, 0.4431 |
| Android (android.graphics.Color) | 4286216766 (0xFF7A7A3E) |
| YUV | 115.1600, -26.2079, 5.9987 |
| Hunter-Lab | 42.9170, -9.1076, 19.9816 |

Details

The CIELCh color **50, 33.875, 105.703** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **29, 38.497, 296.880**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 33.815, 105.307**, and **30, 34.093, 106.449** is the 20% darker color. If you saturate the color by 10%, you get **50, 40.029, 104.898**, and if you desaturate by 10%, it is **50, 27.315, 106.576**.

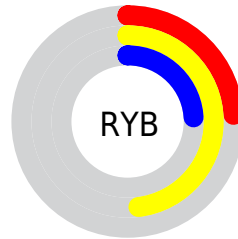
Distribution



Red (48%)

Green (48%)

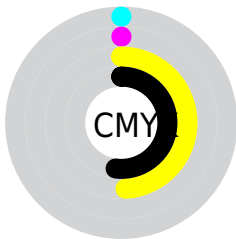
Blue (24%)



Red (24%)

Yellow (48%)

Blue (24%)

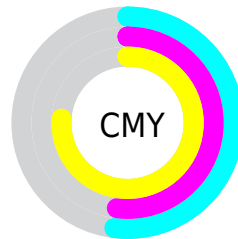


Cyan (0%)

Magenta (0%)

Yellow (49%)

Black (52%)



Cyan (52%)


Magenta (52%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 33.875, 105.703 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, 33.875, 105.703 by changing the saturation by 10% instead.


 50, 33.875,
105.703


 50, 33.875,
105.703


 100, 33.875,
105.703


 40, 33.875,
105.703


 70, 33.875,
105.703

 30, 33.875,
105.703


 80, 33.875,
105.703


 20, 33.875,
105.703

 90, 33.875,
105.703

 10, 33.875,
105.703

 0, 33.875, 105.703

 50, 33.875,
105.703

 50, 33.875,
105.703

■ 50, 40.029,
104.898

■ 50, 27.315,
106.576

■ 50, 45.554,
104.184

■ 50, 20.502,
107.484

■ 50, 50.165,
103.598

■ 51, 13.537,
108.409

■ 50, 53.554,
103.176

■ 51, 6.489, 109.332

■ 50, 55.970,
102.879

■ 51, 0.599, 290.330

■ 52, 7.697, 291.157

■ 50, 56.176,
102.854

■ 52, 14.785,
292.022

■ 53, 21.849,
292.856

■ 53, 28.878,
293.654

Harmonies

Complementary

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



50, 33.875, 105.703



29, 38.497, 296.880

Rectangle

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



50, 33.875, 105.703



50, 33.875, 155.703



50, 33.875, 285.703



50, 33.875, 335.703

Sweetspot

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



50, 33.876, 105.706



65, 13.110, 108.761



34, 28.571, 24.540



33, 8.891, 108.605



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, 33.876, 105.706



63, 49.195, 104.802



48, 36.594, 126.882



26, 3.997, 109.341



51, 57.133, 102.854



96, 96.175, 102.854

Inverse Universe

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



29, 38.497, 296.880



33, 58.310, 299.130



32, 39.213, 311.451



23, 4.080, 291.072



12, 78.890, 306.287



32, 132.800, 306.287

Previews

White Background



This preview shows how the CIELCh color 50, 33.875, 105.703 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, 33.875, 105.703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

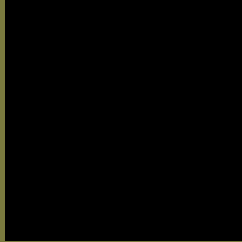
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 33.875, 105.703

Background



This preview shows how black text looks on a background with the CIELCh color 50, 33.875, 105.703.



This preview shows how white text looks on a background with the CIELCh color 50, 33.875, 105.703.

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, 33.875, 105.703

Protanopia

50, 33.458, 96.108

Deuteranopia

50, 32.663, 77.803



Tritanopia
50, 7.727, 337.416

Trichromacy



Original Color
50, 33.875, 105.703

Protanomaly
50, 33.652, 99.359

Deuteranomaly
50, 32.083, 88.142

Tritanomaly
50, 10.478, 89.777

Monochromacy



Original Color
50, 33.875, 105.703

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 12.812, 108.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 33.875, 105.703 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(122, 122, 62)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 62)  
}
```

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(122, 122, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 33.875, 105.703 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(122, 122, 62) }
```

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

```
.border{ border-color:rgb(122, 122, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 122, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 62);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 33.875, 105.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 62) }
```

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

```
.background{ background-color: rgb(122,  
122, 62) }
```

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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