

Converting Colors

CIELCh(33, 4.482, 120.803)

Have a look what the booklet for
CIELCh(33, 4.482, 120.803) contains.

CIELCh(33, 3.878, 122.683)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(33, 3.878, 122.683)

Conversions

Conversions Part 1

Format	Color
Hex	4C4E48
RGB	76, 78, 72
RGB Percent	30%, 31%, 28%
CMY	0.7003, 0.6924, 0.7160
CMYK	0.03, 0.00, 0.08, 0.69
HSL	80°, 4%, 30%
HSV	80°, 8%, 31%
XYZ	6.9530, 7.5373, 7.2919
YIQ	76.7180, 0.7340, -2.2900

Conversions

Conversions Part 2

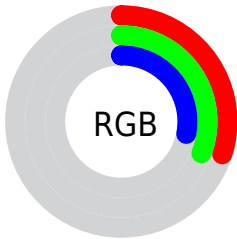
Format	Color
RYB	72, 78, 74
Decimal	5000776
CIELab	33.00, -2.09, 3.26
CIELCh	33, 3.878, 122.683
Yxy	7.5373, 0.3192, 0.3460
Android (android.graphics.Color)	4283190856 (0xFF4C4E48)
YUV	76.7180, -2.3260, -0.6297
Hunter-Lab	27.4541, -2.8381, 3.4703

Details

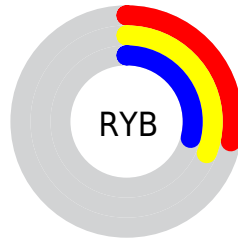
The CIELCh color **33, 3.878, 122.683** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **31, 3.935, 303.428**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 4.122, 120.966**, and **13, 3.728, 124.962** is the 20% darker color. If you saturate the color by 10%, you get **33, 8.944, 122.186**, and if you desaturate by 10%, it is **33, 1.192, 303.138**.

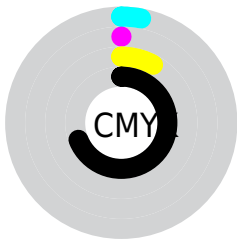
Distribution



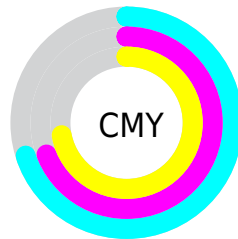
- Red (30%)
- Green (31%)
- Blue (28%)



- Red (28%)
- Yellow (31%)
- Blue (29%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (69%)



- Cyan (70%)
- Magenta (69%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 3.878, 122.683 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 33, 3.878, 122.683 by changing the saturation by 10% instead.

■ 33, 3.878, 122.683

■ 33, 3.878, 122.683

■ 100, 3.878,
122.683

■ 23, 3.878, 122.683

■ 53, 3.878, 122.683

■ 13, 3.878, 122.683

■ 63, 3.878, 122.683

■ 3, 3.878, 122.683

■ 73, 3.878, 122.683

■ 0, 3.878, 122.683

■ 83, 3.878, 122.683

■ 93, 3.878, 122.683

■ 33, 3.878, 122.683

■ 33, 3.878, 122.683

■ 33, 8.944, 122.186

■ 33, 1.192, 303.138

■ 32, 13.976,
121.676

■ 34, 6.248, 303.617

■ 32, 18.936,
121.173

■ 35, 11.275,
304.051

■ 31, 23.770,
120.699

■ 35, 16.261,
304.455

■ 31, 28.400,
120.287

■ 36, 21.200,
304.831

■ 31, 32.713,
119.985

■ 36, 26.083,
305.179

■ 31, 36.560,
119.858

■ 37, 30.907,
305.499

■ 30, 39.759,
119.990

■ 38, 35.668,
305.795

■ 30, 42.787,
120.106

■ 38, 40.365,
306.066

Harmonies

Complementary

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



33, 3.878, 122.683



31, 3.935, 303.428

Rectangle

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



33, 3.878, 122.683



33, 3.878, 172.683



33, 3.878, 302.683



33, 3.878, 352.683

Sweetspot

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



33, 3.879, 122.690



43, 1.254, 122.983



32, 2.173, 55.037



21, 0.704, 122.998



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



33, 3.879, 122.690



43, 5.666, 122.606



33, 4.390, 139.499



15, 2.769, 122.642



39, 52.405, 120.615



83, 95.516, 121.669

Inverse Universe

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



31, 3.935, 303.428



40, 5.760, 303.517



31, 4.410, 320.087



14, 2.812, 303.479



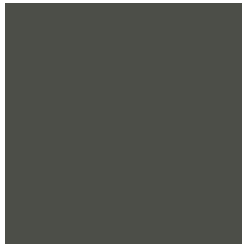
11, 65.423, 309.346



32, 119.405, 308.654

Previews

White Background



This preview shows how the CIELCh color 33, 3.878, 122.683 looks on a white background.

Color Contrast Check

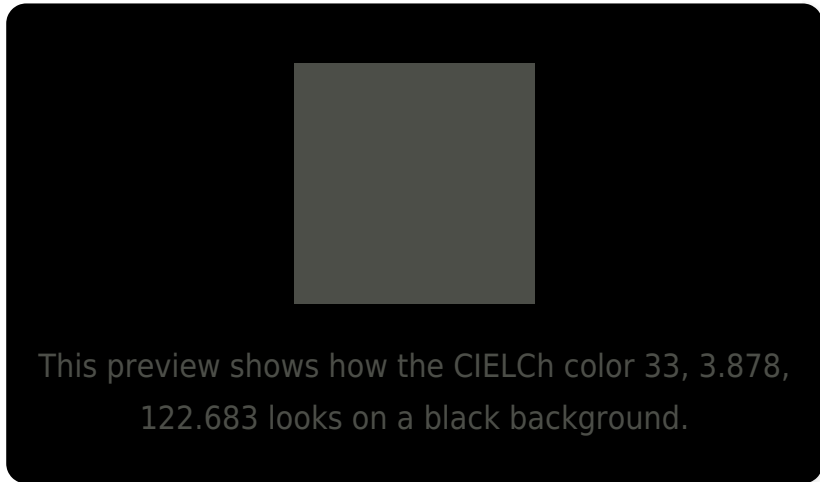
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

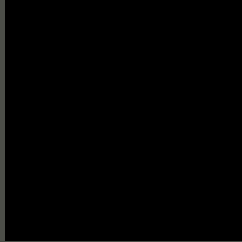
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

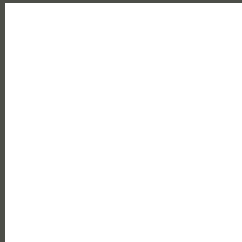
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 3.878, 122.683

Background



This preview shows how black text looks on a background with the CIELCh color 33, 3.878, 122.683.



This preview shows how white text looks on a background with the CIELCh color 33, 3.878, 122.683.

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


33, 3.878, 122.683

Protanopia

33, 3.406, 86.467

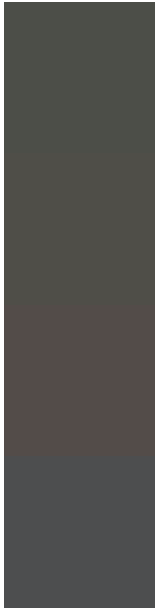
Deuteranopia

33, 5.549, 33.179



Tritanopia
33, 3.816, 297.195

Trichromacy



Original Color

33, 3.878, 122.683

Protanomaly

33, 3.786, 102.751

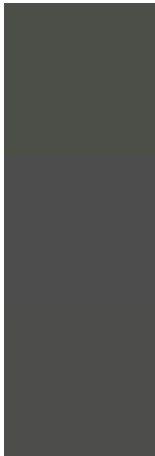
Deuteranomaly

33, 3.648, 50.776

Tritanomaly

33, 0.760, 255.946

Monochromacy



Original Color

33, 3.878, 122.683

Achromatopsia

33, 0.005, 296.813

Achromatomaly

33, 1.936, 122.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 3.878, 122.683 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(76, 78, 72)` looks like.

```
.text, #text, p{  
    color:rgb(76, 78, 72)  
}
```

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(76, 78, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 78, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 3.878, 122.683 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(76, 78, 72) }
```

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

```
.border{ border-color:rgb(76, 78, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 78, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 78, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 78, 72);  
box-shadow:4px 4px 4px 4px rgb(76, 78, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 3.878, 122.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 78, 72) }
```

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

```
.background{ background-color: rgb(76, 78,  
72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor