

Converting Colors

CIELCh(33, 0.863, 109.987)

Have a look what the booklet for
CIELCh(33, 0.863, 109.987) contains.

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Color

CIELCh(33, 1.252, 109.931)

Conversions

Conversions Part 1

Format	Color
Hex	4E4E4C
RGB	78, 78, 76
RGB Percent	31%, 31%, 30%
CMY	0.6952, 0.6952, 0.7030
CMYK	0.00, 0.00, 0.03, 0.70
HSL	60°, 1%, 30%
HSV	60°, 3%, 30%
XYZ	7.1206, 7.5373, 7.8686
YIQ	77.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

Format	Color
RYB	76, 78, 76
Decimal	5131852
CIELab	33.00, -0.43, 1.18
CIElCh	33, 1.252, 109.931
Yxy	7.5373, 0.3161, 0.3346
Android (android.graphics.Color)	4283321932 (0xFF4E4E4C)
YUV	77.7720, -0.8736, 0.2000
Hunter-Lab	27.4541, -1.7481, 2.2249

Details

The CIELCh color **33, 1.252, 109.931** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **32, 1.269, 290.459**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 1.147, 109.994**, and **13, 1.428, 109.741** is the 20% darker color. If you saturate the color by 10%, you get **33, 6.132, 109.114**, and if you desaturate by 10%, it is **33, 3.638, 290.849**.

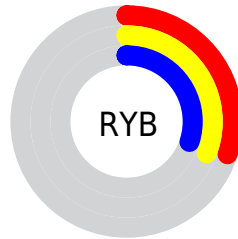
Distribution



 Red (31%)

 Green (31%)

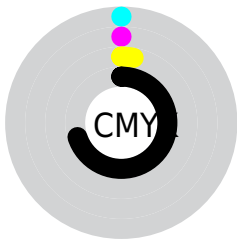
 Blue (30%)



 Red (30%)

 Yellow (31%)

 Blue (30%)



 Cyan (0%)

 Magenta (0%)

 Yellow (3%)

 Black (70%)



 Cyan (70%)

 Magenta (70%)

 Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 1.252, 109.931 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, 1.252, 109.931 by changing the saturation by 10% instead.

■ 33, 1.252, 109.931

■ 33, 1.252, 109.931

100, 1.252,
109.931

■ 23, 1.252, 109.931

■ 53, 1.252, 109.931

■ 13, 1.252, 109.931

■ 63, 1.252, 109.931

■ 3, 1.252, 109.931

■ 73, 1.252, 109.931

■ 0, 1.252, 109.931

■ 83, 1.252, 109.931

■ 93, 1.252, 109.931

■ 33, 1.252, 109.931

■ 33, 1.252, 109.931

■ 33, 6.132, 109.114

■ 33, 3.638, 290.849

■ 33, 10.979,
108.241

■ 34, 8.527, 291.675

■ 32, 15.763,
107.371

■ 34, 13.404,
292.476

■ 32, 20.441,
106.518

■ 34, 18.261,
293.247

■ 32, 24.945,
105.700

■ 34, 23.093,
293.984

■ 32, 29.179,
104.939

■ 35, 27.894,
294.686

■ 32, 33.005,
104.262

■ 35, 32.662,
295.353

■ 32, 36.249,
103.699

■ 36, 37.391,
295.983

■ 32, 38.895,
103.248

■ 36, 42.081,
296.577

Harmonies

Complementary

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



33, 1.252, 109.931



32, 1.269, 290.459

Rectangle

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



33, 1.252, 109.931



33, 1.252, 159.931



33, 1.252, 289.931



33, 1.252, 339.931

Sweetspot

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



33, 1.253, 109.962



43, 0.606, 110.055



32, 0.874, 19.225



21, 0.340, 110.057



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, 1.253, 109.962



43, 1.830, 109.920



33, 1.332, 129.013



15, 1.074, 109.893



42, 49.451, 102.898



88, 89.490, 102.901

Inverse Universe

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



32, 1.269, 290.459



42, 1.853, 290.503



32, 1.345, 309.125



15, 1.087, 290.532



9, 68.278, 306.292



29, 123.565, 306.289

Previews

White Background



This preview shows how the CIELCh color 33, 1.252, 109.931 looks on a white background.

Color Contrast Check

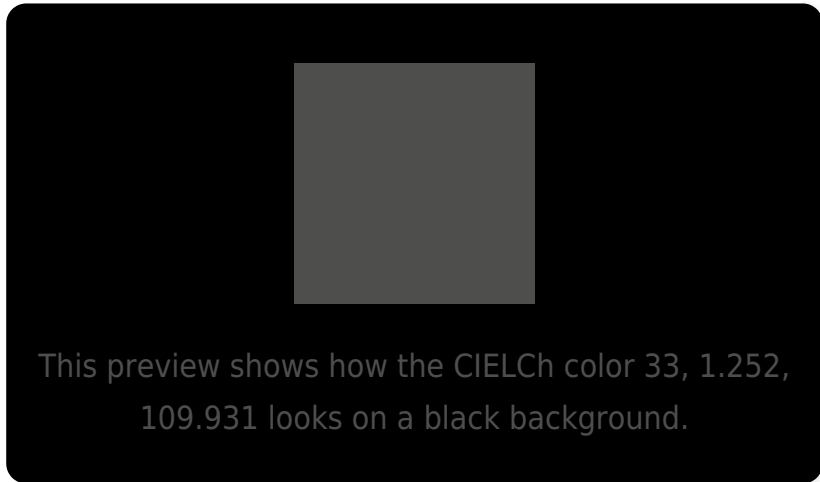
Large Text (above 18pt) WCAG AA ✓ Pass

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

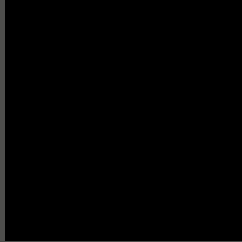
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

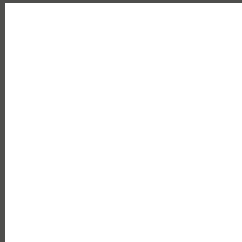
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 1.252, 109.931

Background



This preview shows how black text looks on a background with the CIELCh color 33, 1.252, 109.931.

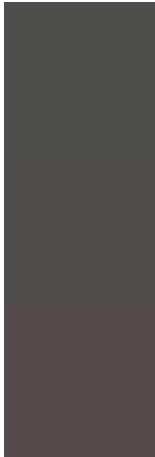


This preview shows how white text looks on a background with the CIELCh color 33, 1.252, 109.931.

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, 1.252, 109.931

Protanopia

33, 1.525, 74.742

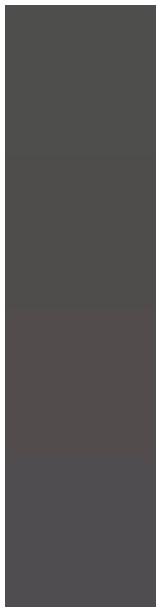
Deuteranopia

33, 4.473, 11.997



Tritanopia
33, 3.890, 303.403

Trichromacy



Original Color
33, 1.252, 109.931

Protanomaly
33, 1.525, 74.742

Deuteranomaly
33, 2.641, 19.707

Tritanomaly
33, 2.090, 314.766

Monochromacy



Original Color
33, 1.252, 109.931

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 0.624, 110.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 1.252, 109.931 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(78, 78, 76)` looks like.

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

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

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

Border

The CSS property to change the border of an element to CIELCh 33, 1.252, 109.931 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(78, 78, 76) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 33, 1.252, 109.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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