

Converting Colors

CIELCh(33, 10.772, 108.308)

Have a look what the booklet for
CIELCh(33, 10.772, 108.308)
contains.

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Color

CIELCh(33, 11.230, 108.184)

Conversions

Conversions Part 1

Format	Color
Hex	4F4F3D
RGB	79, 79, 61
RGB Percent	31%, 31%, 24%
CMY	0.6913, 0.6913, 0.7618
CMYK	0.00, 0.00, 0.23, 0.69
HSL	60°, 13%, 27%
HSV	60°, 23%, 31%
XYZ	6.8132, 7.5373, 5.4737
YIQ	76.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

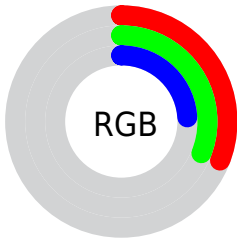
Format	Color
RYB	61, 79, 61
Decimal	5197629
CIELab	33.00, -3.50, 10.67
CIElCh	33, 11.230, 108.184
Yxy	7.5373, 0.3437, 0.3802
Android (android.graphics.Color)	4283387709 (0xFF4F4F3D)
YUV	76.9480, -7.8624, 1.7996
Hunter-Lab	27.4541, -3.7467, 7.3969

Details

The CIELCh color **33, 11.230, 108.184** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **26, 11.782, 292.533**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 11.489, 108.728**, and **13, 11.193, 109.735** is the 20% darker color. If you saturate the color by 10%, you get **33, 16.063, 107.316**, and if you desaturate by 10%, it is **33, 6.334, 109.064**.

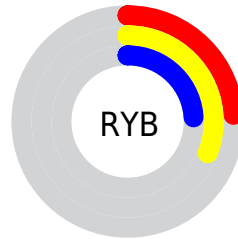
Distribution



 Red (31%)

 Green (31%)

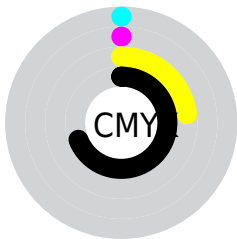
 Blue (24%)



 Red (24%)

 Yellow (31%)

 Blue (24%)

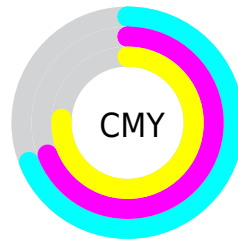


 Cyan (0%)

 Magenta (0%)

 Yellow (23%)

 Black (69%)



 Cyan (69%)


 Magenta (69%)


 Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 11.230, 108.184 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, 11.230, 108.184 by changing the saturation by 10% instead.


 33, 11.230,
108.184


 33, 11.230,
108.184

 100, 11.230,
108.184


 23, 11.230,
108.184

 53, 11.230,
108.184


 13, 11.230,
108.184


 63, 11.230,
108.184

 3, 11.230, 108.184

 73, 11.230,
108.184

 0, 11.230, 108.184

 83, 11.230,
108.184

 93, 11.230,
108.184

■ 33, 11.230,
108.184

■ 33, 11.230,
108.184

■ 33, 16.063,
107.316

■ 33, 6.334, 109.064

■ 33, 20.786,
106.461

■ 33, 1.404, 109.917

■ 33, 25.330,
105.643

■ 34, 3.539, 290.806

■ 32, 29.595,
104.883

■ 34, 13.409,
292.438

■ 32, 33.442,
104.208

■ 35, 18.318,
293.212

■ 32, 36.690,
103.647

■ 35, 23.202,
293.952

■ 32, 39.333,
103.200

■ 35, 28.055,
294.657

■ 32, 41.343,

■ 36, 32.874,

102.864

295.326

Harmonies

Complementary

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



33, 11.230, 108.184



26, 11.782, 292.533

Rectangle

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



33, 11.230, 108.184



33, 11.230, 158.184



33, 11.230, 288.184



33, 11.230, 338.184

Sweetspot

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



33, 11.231, 108.189



43, 4.276, 109.550



28, 8.426, 20.896



21, 2.744, 109.538



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, 11.231, 108.189



43, 16.402, 107.741



32, 12.021, 128.128



15, 2.687, 109.432



42, 49.451, 102.865



88, 89.489, 102.866

Inverse Universe

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



26, 11.782, 292.533



33, 17.414, 293.175



27, 12.365, 310.037



14, 2.738, 290.985



9, 68.282, 306.288



29, 123.568, 306.288

Previews

White Background



This preview shows how the CIELCh color 33, 11.230, 108.184 looks on a white background.

Color Contrast Check

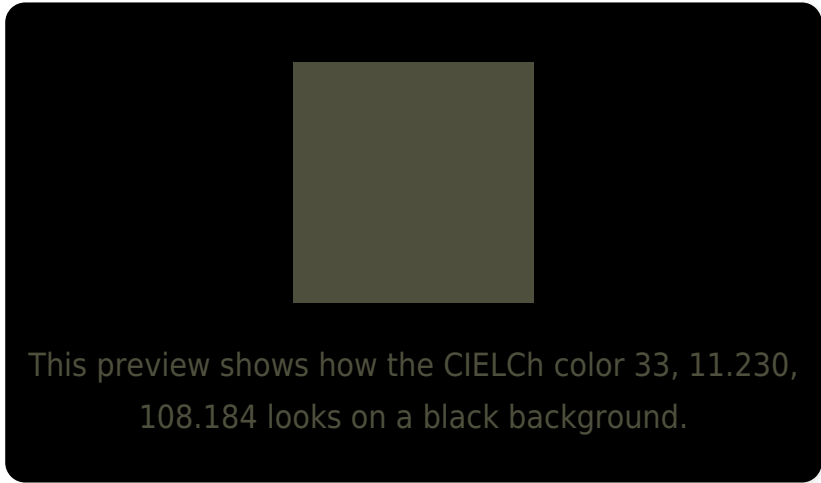
Large Text (above 18pt) WCAG AA ✓ Pass

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

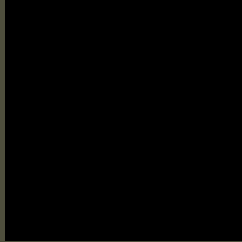
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 11.230, 108.184

Background



This preview shows how black text looks on a background with the CIELCh color 33, 11.230, 108.184.

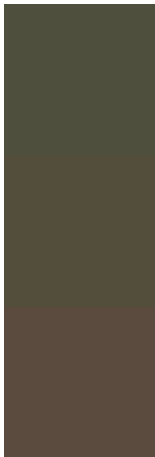


This preview shows how white text looks on a background with the CIELCh color 33, 11.230, 108.184.

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, 11.230, 108.184

Protanopia

33, 11.024, 93.408

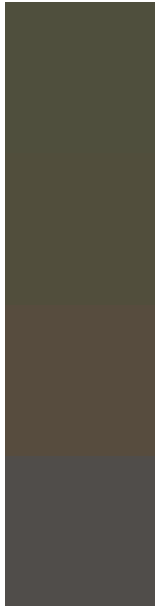
Deuteranopia

33, 11.126, 62.461



Tritanopia
33, 4.371, 320.073

Trichromacy



Original Color

33, 11.230, 108.184

Protanomaly

33, 11.337, 101.037

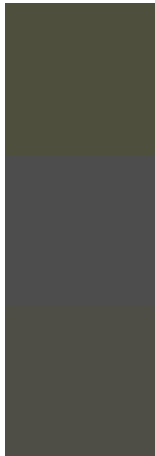
Deuteranomaly

33, 10.236, 78.207

Tritanomaly

33, 2.295, 74.513

Monochromacy



Original Color

33, 11.230, 108.184

Achromatopsia

33, 0.005, 296.813

Achromatomaly

33, 4.391, 109.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 11.230, 108.184 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(79, 79, 61)` looks like.

```
.text, #text, p{  
    color:rgb(79, 79, 61)  
}
```

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(79, 79, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 79, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 11.230, 108.184 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(79, 79, 61) }
```

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

```
.border{ border-color:rgb(79, 79, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 79, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 79, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 79, 61);  
box-shadow:4px 4px 4px 4px rgb(79, 79, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 11.230, 108.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 79, 61) }
```

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

```
.background{ background-color: rgb(79, 79,  
61) }
```

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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