

Converting Colors

CIELCh(33, 11.861, 110.323)

Have a look what the booklet for
CIELCh(33, 11.861, 110.323)
contains.

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Color

CIELCh(33, 11.861, 110.323)

Conversions

Conversions Part 1

Format	Color
Hex	4E4F3C
RGB	78, 79, 60
RGB Percent	31%, 31%, 24%
CMY	0.6941, 0.6902, 0.7647
CMYK	0.01, 0.00, 0.24, 0.69
HSL	63°, 14%, 27%
HSV	63°, 24%, 31%
XYZ	6.7529, 7.5373, 5.3734
YIQ	76.5350, 5.5030, -6.1210

Conversions

Conversions Part 2

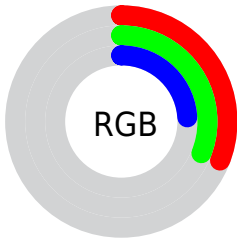
Format	Color
RYB	60, 79, 61
Decimal	5132092
CIELab	33.00, -4.12, 11.12
CIElCh	33, 11.861, 110.323
Yxy	7.5373, 0.3434, 0.3833
Android (android.graphics.Color)	4283322172 (0xFF4E4F3C)
YUV	76.5350, -8.1518, 1.2848
Hunter-Lab	27.4541, -4.1390, 7.6134

Details

The CIELCh color **33, 11.861, 110.323** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **26, 12.477, 294.516**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 12.072, 110.649**, and **13, 11.848, 112.135** is the 20% darker color. If you saturate the color by 10%, you get **33, 16.702, 109.527**, and if you desaturate by 10%, it is **33, 6.952, 111.132**.

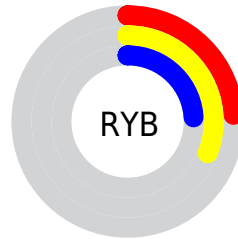
Distribution



Red (31%)

Green (31%)

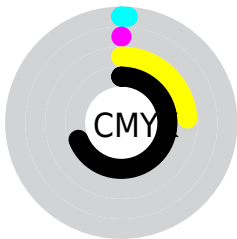
Blue (24%)



Red (24%)

Yellow (31%)

Blue (24%)

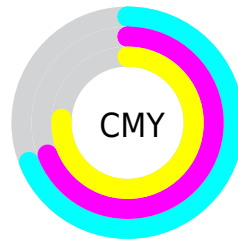


Cyan (1%)

Magenta (0%)

Yellow (24%)

Black (69%)



Cyan (69%)


Magenta (69%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 11.861, 110.323 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, 11.861, 110.323 by changing the saturation by 10% instead.


 33, 11.861,
110.323


 33, 11.861,
110.323

 100, 11.861,
110.323


 23, 11.861,
110.323

 53, 11.861,
110.323


 13, 11.861,
110.323


 63, 11.861,
110.323

 3, 11.861, 110.323

 73, 11.861,
110.323

 0, 11.861, 110.323

 83, 11.861,
110.323

 93, 11.861,
110.323

■ 33, 11.861,
110.323

■ 33, 11.861,
110.323

■ 33, 16.702,
109.527

■ 33, 6.952, 111.132

■ 33, 21.423,
108.747

■ 33, 2.005, 111.923

■ 32, 25.956,
108.009

■ 34, 2.957, 292.725

■ 32, 30.195,
107.339

■ 34, 12.867,
294.212

■ 32, 33.996,
106.772

■ 35, 17.796,
294.914

■ 32, 37.177,
106.348

■ 35, 22.697,
295.583

■ 32, 39.819,
106.041

■ 36, 27.566,
296.219

■ 32, 41.515,

■ 36, 32.399,

105.826

296.820

Harmonies

Complementary

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



33, 11.861, 110.323



26, 12.477, 294.516

Rectangle

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



33, 11.861, 110.323



33, 11.861, 160.323



33, 11.861, 290.323



33, 11.861, 340.323

Sweetspot

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



33, 11.862, 110.327



43, 4.281, 111.674



28, 8.521, 24.977



21, 2.747, 111.663



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, 11.862, 110.327



42, 17.615, 109.848



32, 12.849, 129.826



15, 2.690, 111.566



41, 49.548, 105.930



88, 89.687, 106.149

Inverse Universe

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



26, 12.477, 294.516



32, 18.794, 295.209



27, 13.193, 311.770



14, 2.741, 292.979



9, 67.938, 306.600



29, 123.326, 306.407

Previews

White Background



This preview shows how the CIELCh color 33, 11.861, 110.323 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



This preview shows how the CIELCh color 33, 11.861, 110.323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

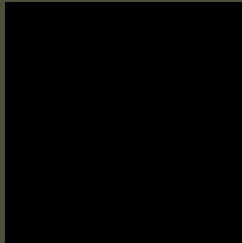
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

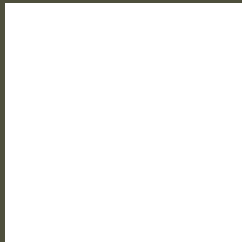
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 11.861, 110.323

Background



This preview shows how black text looks on a background with the CIELCh color 33, 11.861, 110.323.

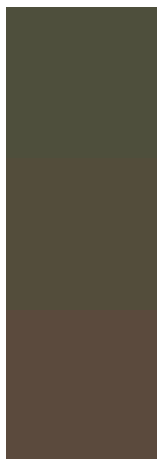


This preview shows how white text looks on a background with the CIELCh color 33, 11.861, 110.323.

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, 11.861, 110.323

Protanopia

33, 11.629, 94.032

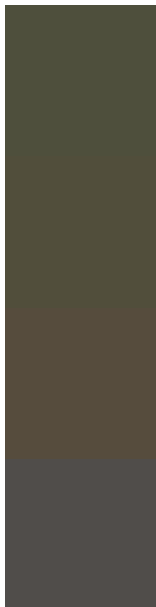
Deuteranopia

33, 11.593, 64.506



Tritanopia
33, 4.371, 320.073

Trichromacy



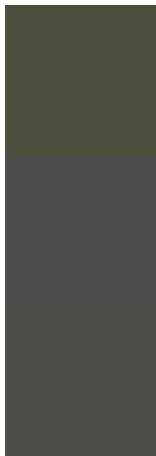
Original Color
33, 11.861, 110.323

Protanomaly
33, 11.952, 101.269

Deuteranomaly
33, 10.562, 81.944

Tritanomaly
33, 2.295, 74.513

Monochromacy



Original Color
33, 11.861, 110.323

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 4.419, 115.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 11.861, 110.323 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, 79, 60)` looks like.

```
.text, #text, p{  
    color:rgb(78, 79, 60)  
}
```

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, 79, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 79, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 11.861, 110.323 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, 79, 60) }
```

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

```
.border{ border-color:rgb(78, 79, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 79, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 79, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 79, 60);  
box-shadow:4px 4px 4px 4px rgb(78, 79, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 11.861, 110.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 79, 60) }
```

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

```
.background{ background-color: rgb(78, 79,  
60) }
```

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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