

Converting Colors

CIELCh(33, 13.197, 107.356)

Have a look what the booklet for
CIELCh(33, 13.197, 107.356)
contains.

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Color

CIELCh(33, 13.080, 107.851)

Conversions

Conversions Part 1

Format	Color
Hex	4F4F3A
RGB	79, 79, 58
RGB Percent	31%, 31%, 23%
CMY	0.6906, 0.6906, 0.7730
CMYK	0.00, 0.00, 0.27, 0.69
HSL	60°, 15%, 27%
HSV	60°, 27%, 31%
XYZ	6.7636, 7.5373, 5.0869
YIQ	76.6060, 6.7410, -6.5310

Conversions

Conversions Part 2

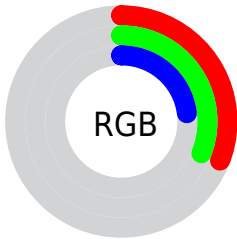
Format	Color
R_{YB}	58, 79, 58
Decimal	5197626
CIE Lab	33.00, -4.01, 12.45
CIE LCh	33, 13.080, 107.851
Yxy	7.5373, 0.3489, 0.3888
Android (android.graphics.Color)	4283387706 (0xFF4F4F3A)
YUV	76.6060, -9.1728, 2.0995
Hunter-Lab	27.4541, -4.0691, 8.2321

Details

The CIELCh color **33, 13.080, 107.851** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **25, 13.844, 292.999**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 13.203, 108.510**, and **13, 13.493, 108.938** is the 20% darker color. If you saturate the color by 10%, you get **33, 17.886, 106.987**, and if you desaturate by 10%, it is **33, 8.196, 108.732**.

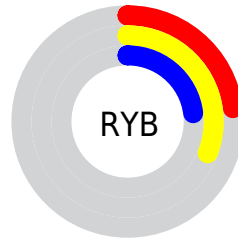
Distribution



 Red (31%)

 Green (31%)

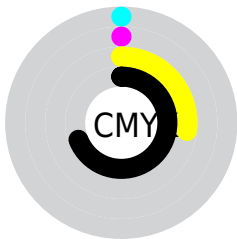
 Blue (23%)



 Red (23%)

 Yellow (31%)

 Blue (23%)

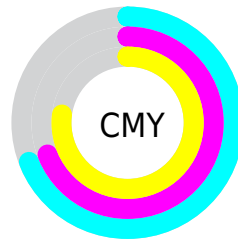


 Cyan (0%)


 Magenta (0%)

 Yellow (27%)

 Black (69%)



 Cyan (69%)


 Magenta (69%)


 Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 13.080, 107.851 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, 13.080, 107.851 by changing the saturation by 10% instead.


 33, 13.080,
107.851


 33, 13.080,
107.851

 100, 13.080,
107.851


 23, 13.080,
107.851

 53, 13.080,
107.851


 13, 13.080,
107.851


 63, 13.080,
107.851

 3, 13.080, 107.851

 73, 13.080,
107.851

 0, 13.080, 107.851

 83, 13.080,
107.851

 93, 13.080,
107.851

■ 33, 13.080,
107.851

■ 33, 13.080,
107.851

■ 33, 17.886,
106.987

■ 33, 8.196, 108.732

■ 33, 22.559,
106.143

■ 33, 3.267, 109.601

■ 33, 27.019,
105.344

■ 34, 1.681, 290.494

■ 33, 31.151,
104.612

■ 34, 11.576,
292.137

■ 32, 34.800,
103.976

■ 35, 16.501,
292.923

■ 32, 37.776,
103.467

■ 35, 21.403,
293.676

■ 32, 40.425,
103.022

■ 35, 26.276,
294.395

■ 32, 41.400,

■ 36, 31.116,

102.860

295.078

Harmonies

Complementary

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



33, 13.080, 107.851



25, 13.844, 292.999

Rectangle

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



33, 13.080, 107.851



33, 13.080, 157.851



33, 13.080, 287.851



33, 13.080, 337.851

Sweetspot

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



33, 13.081, 107.855



43, 4.887, 109.458



27, 9.961, 21.240



21, 3.429, 109.375



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, 13.081, 107.855



42, 19.381, 107.287



32, 14.017, 127.962



15, 2.687, 109.429



42, 49.451, 102.860



88, 89.489, 102.861

Inverse Universe

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



25, 13.844, 292.999



31, 20.846, 293.875



26, 14.490, 310.214



14, 2.738, 290.982



9, 68.282, 306.288



29, 123.568, 306.288

Previews

White Background



This preview shows how the CIELCh color 33, 13.080, 107.851 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, 13.080, 107.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

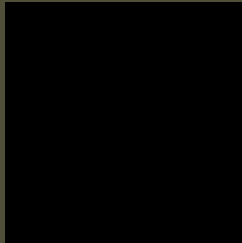
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

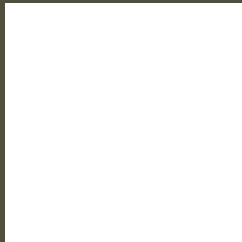
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 13.080, 107.851

Background



This preview shows how black text looks on a background with the CIELCh color 33, 13.080, 107.851.



This preview shows how white text looks on a background with the CIELCh color 33, 13.080, 107.851.

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, 13.080, 107.851

Protanopia

33, 12.841, 95.070

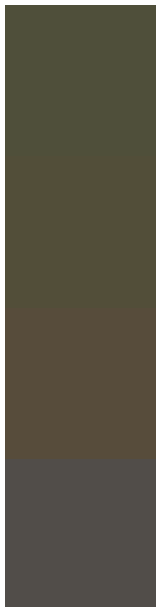
Deuteranopia

33, 12.569, 68.098



Tritanopia
33, 4.598, 324.777

Trichromacy



Original Color
33, 13.080, 107.851

Protanomaly
33, 13.242, 99.586

Deuteranomaly
33, 11.921, 82.202

Tritanomaly
33, 3.070, 74.267

Monochromacy



Original Color
33, 13.080, 107.851

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 5.029, 109.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 13.080, 107.851 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(79, 79, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 79, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 13.080, 107.851 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, 58) }
```

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

```
.border{ border-color:rgb(79, 79, 58) }
```

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, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 79, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 79, 58);  
box-shadow:4px 4px 4px 4px rgb(79, 79, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 13.080, 107.851 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, 58) }
```

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

```
.background{ background-color: rgb(79, 79,  
58) }
```

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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