

Converting Colors

CIELCh(33, 29.221, 107.301)

Have a look what the booklet for
CIELCh(33, 29.221, 107.301)
contains.

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Color

CIELCh(33, 28.803, 107.066)

Conversions

Conversions Part 1

Format	Color
Hex	4E5020
RGB	78, 80, 32
RGB Percent	31%, 31%, 13%
CMY	0.6925, 0.6847, 0.8731
CMYK	0.02, 0.00, 0.60, 0.68
HSL	62°, 43%, 22%
HSV	62°, 60%, 32%
XYZ	6.3378, 7.5373, 2.5137
YIQ	73.9300, 14.2160, -15.3520

Conversions

Conversions Part 2

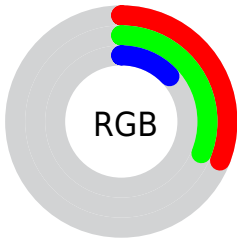
Format	Color
R_{YB}	32, 80, 34
Decimal	5132320
CIE Lab	33.00, -8.45, 27.53
CIE LCh	33, 28.803, 107.066
Yxy	7.5373, 0.3867, 0.4599
Android (android.graphics.Color)	4283322400 (0xFF4E5020)
YUV	73.9300, -20.6715, 3.5694
Hunter-Lab	27.4541, -6.8380, 13.7894

Details

The CIELCh color **33, 28.803, 107.066** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15, 33.602, 299.313**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 28.842, 107.411**, and **13, 20.642, 112.472** is the 20% darker color. If you saturate the color by 10%, you get **33, 32.863, 106.434**, and if you desaturate by 10%, it is **33, 24.365, 107.789**.

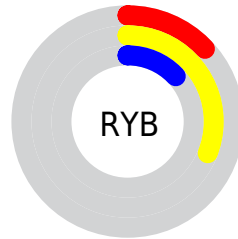
Distribution



Red (31%)

Green (31%)

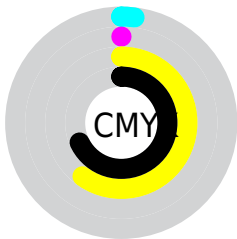
Blue (13%)



Red (13%)

Yellow (31%)

Blue (13%)

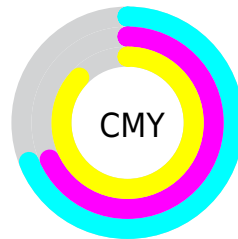


Cyan (2%)

Magenta (0%)

Yellow (60%)

Black (68%)



Cyan (69%)


Magenta (68%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 28.803, 107.066 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, 28.803, 107.066 by changing the saturation by 10% instead.


 33, 28.803,
107.066


 33, 28.803,
107.066

 100, 28.803,
107.066


 23, 28.803,
107.066

 53, 28.803,
107.066


 13, 28.803,
107.066


 63, 28.803,
107.066

 3, 28.803, 107.066

 73, 28.803,
107.066

 0, 28.803, 107.066

 83, 28.803,
107.066

 93, 28.803,
107.066

■ 33, 28.803,
107.066

■ 33, 28.803,
107.066

■ 33, 32.863,
106.434

■ 33, 24.365,
107.789

■ 33, 36.370,
105.921

■ 33, 19.677,
108.565

■ 33, 39.156,
105.563

■ 33, 14.830,
109.373

■ 33, 41.906,
105.207

■ 34, 9.887, 110.194

■ 34, 4.888, 111.013

■ 33, 41.984,
105.197

■ 34, 0.138, 292.012

■ 34, 5.172, 292.626

■ 35, 10.200,
293.391

■ 35, 15.213,

Harmonies

Complementary

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



33, 28.803, 107.066



15, 33.602, 299.313

Rectangle

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



33, 28.803, 107.066



33, 28.803, 157.066



33, 28.803, 287.066



33, 28.803, 337.066

Sweetspot

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



33, 28.803, 107.068



44, 11.209, 110.284



20, 24.476, 28.047



22, 7.848, 110.133



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



33, 28.803, 107.068



43, 41.561, 106.169



31, 31.480, 127.767



16, 2.841, 111.094



42, 50.382, 105.280



89, 90.367, 105.447

Inverse Universe

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



15, 33.602, 299.313



17, 51.294, 301.983



18, 33.888, 312.827



15, 2.896, 292.563



9, 69.212, 306.526



29, 124.415, 306.379

Previews

White Background



This preview shows how the CIELCh color 33, 28.803, 107.066 looks on a white background.

Color Contrast Check

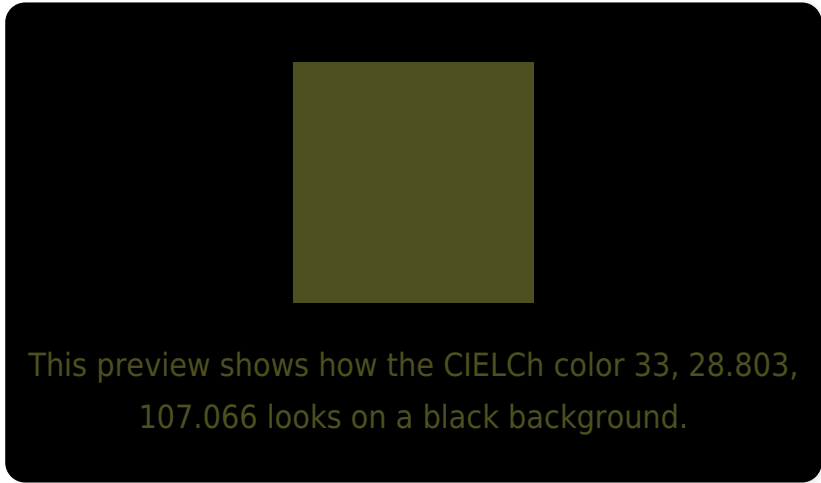
Large Text (above 18pt) WCAG AA ✓ Pass

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

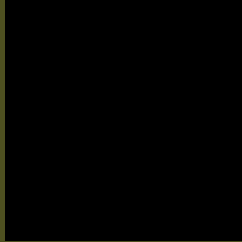
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 28.803, 107.066

Background



This preview shows how black text looks on a background with the CIELCh color 33, 28.803, 107.066.



This preview shows how white text looks on a background with the CIELCh color 33, 28.803, 107.066.

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, 28.803, 107.066

Protanopia

33, 28.117, 96.848

Deuteranopia

33, 27.351, 81.197



Tritanopia
33, 5.144, 332.876

Trichromacy



Original Color
33, 28.803, 107.066

Protanomaly
33, 28.369, 101.028

Deuteranomaly
33, 27.287, 90.163

Tritanomaly
33, 8.974, 96.659

Monochromacy



Original Color
33, 28.803, 107.066

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 10.678, 108.232

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 28.803, 107.066 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, 80, 32)` looks like.

```
.text, #text, p{  
    color:rgb(78, 80, 32)  
}
```

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, 80, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 80, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 28.803, 107.066 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, 80, 32) }
```

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

```
.border{ border-color:rgb(78, 80, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 80, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 80, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 80, 32);  
box-shadow:4px 4px 4px 4px rgb(78, 80, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 28.803, 107.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 80, 32) }
```

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

```
.background{ background-color: rgb(78, 80,  
32) }
```

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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