

Converting Colors

CIELCh(33, 28.080, 106.817)

Have a look what the booklet for
CIELCh(33, 28.080, 106.817)
contains.

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Color

CIELCh(33, 27.717, 106.294)

Conversions

Conversions Part 1

Format	Color
Hex	4F5022
RGB	79, 80, 34
RGB Percent	31%, 31%, 13%
CMY	0.6897, 0.6858, 0.8662
CMYK	0.01, 0.00, 0.57, 0.69
HSL	61°, 40%, 22%
HSV	61°, 57%, 31%
XYZ	6.4014, 7.5373, 2.6390
YIQ	74.4570, 14.1700, -14.5180

Conversions

Conversions Part 2

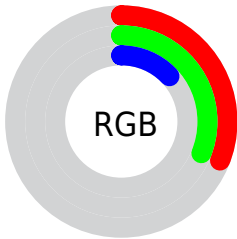
Format	Color
R_{YB}	34, 80, 35
Decimal	5197858
CIE Lab	33.00, -7.78, 26.60
CIE LCh	33, 27.717, 106.294
Yxy	7.5373, 0.3861, 0.4547
Android (android.graphics.Color)	4283387938 (0xFF4F5022)
YUV	74.4570, -19.9453, 3.9842
Hunter-Lab	27.4541, -6.4242, 13.5187

Details

The CIELCh color **33, 27.717, 106.294** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **16, 32.093, 298.431**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 27.749, 106.662**, and **13, 20.574, 110.855** is the 20% darker color. If you saturate the color by 10%, you get **33, 31.865, 105.607**, and if you desaturate by 10%, it is **33, 23.225, 107.061**.

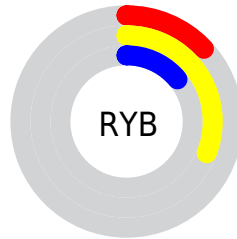
Distribution



Red (31%)

Green (31%)

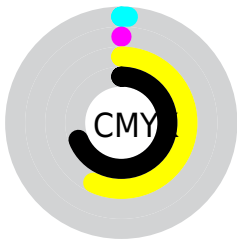
Blue (13%)



Red (13%)

Yellow (31%)

Blue (14%)

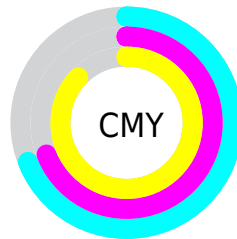


Cyan (1%)

Magenta (0%)

Yellow (57%)

Black (69%)



Cyan (69%)


Magenta (69%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 27.717, 106.294 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, 27.717, 106.294 by changing the saturation by 10% instead.


 33, 27.717,
106.294


 33, 27.717,
106.294


 100, 27.717,
106.294


 23, 27.717,
106.294


 53, 27.717,
106.294


 13, 27.717,
106.294


 63, 27.717,
106.294

 3, 27.717, 106.294

 73, 27.717,
106.294

 0, 27.717, 106.294

 83, 27.717,
106.294

 93, 27.717,
106.294

■ 33, 27.717,
106.294

■ 33, 27.717,
106.294

■ 33, 31.865,
105.607

■ 33, 23.225,
107.061

■ 33, 35.505,
105.023

■ 33, 18.509,
107.873

■ 33, 38.442,
104.582

■ 33, 13.650,
108.712

■ 33, 41.109,
104.194

■ 34, 8.707, 109.561

■ 34, 3.716, 110.403

■ 33, 41.852,
104.083

■ 34, 1.297, 291.268

■ 34, 6.314, 292.065

■ 35, 11.323,
292.852

■ 35, 16.314,

293.610

Harmonies

Complementary

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



33, 27.717, 106.294



16, 32.093, 298.431

Rectangle

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



33, 27.717, 106.294



33, 27.717, 156.294



33, 27.717, 286.294



33, 27.717, 336.294

Sweetspot

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



33, 27.718, 106.297



44, 10.585, 109.545



20, 23.617, 26.588



22, 7.135, 109.459



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, 27.718, 106.297



43, 40.191, 105.355



31, 30.136, 127.267



16, 2.840, 110.293



43, 50.339, 104.127



89, 90.279, 104.216

Inverse Universe

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



16, 32.093, 298.431



17, 49.063, 301.070



18, 32.454, 312.223



15, 2.894, 291.815



9, 69.339, 306.412



29, 124.504, 306.335

Previews

White Background



This preview shows how the CIELCh color 33, 27.717, 106.294 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, 27.717, 106.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

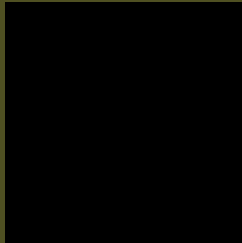
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

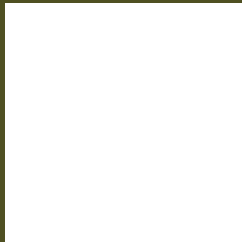
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 27.717, 106.294

Background



This preview shows how black text looks on a background with the CIELCh color 33, 27.717, 106.294.



This preview shows how white text looks on a background with the CIELCh color 33, 27.717, 106.294.

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, 27.717, 106.294

Protanopia

33, 27.580, 96.797

Deuteranopia

33, 26.293, 80.464



Tritanopia
33, 5.446, 336.322

Trichromacy



Original Color
33, 27.717, 106.294

Protanomaly
33, 27.832, 101.052

Deuteranomaly
33, 26.202, 89.783

Tritanomaly
33, 8.477, 92.861

Monochromacy



Original Color
33, 27.717, 106.294

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 10.670, 110.751

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 27.717, 106.294 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, 80, 34)` looks like.

```
.text, #text, p{  
    color:rgb(79, 80, 34)  
}
```

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, 80, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 80, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 27.717, 106.294 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, 80, 34) }
```

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

```
.border{ border-color:rgb(79, 80, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 80, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 80, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 80, 34);  
box-shadow:4px 4px 4px 4px rgb(79, 80, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 27.717, 106.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 80, 34) }
```

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

```
.background{ background-color: rgb(79, 80,  
34) }
```

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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