

Converting Colors

CIELCh(33, 17.810, 120.858)

Have a look what the booklet for
CIELCh(33, 17.810, 120.858)
contains.

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Color

CIELCh(33, 17.844, 120.839)

Conversions

Conversions Part 1

Format	Color
Hex	485135
RGB	72, 81, 53
RGB Percent	28%, 32%, 21%
CMY	0.7173, 0.6820, 0.7918
CMYK	0.11, 0.00, 0.35, 0.68
HSL	79°, 21%, 26%
HSV	79°, 35%, 32%
XYZ	6.2729, 7.5373, 4.5026
YIQ	75.1170, 3.6240, -10.6160

Conversions

Conversions Part 2

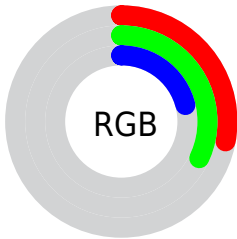
Format	Color
R_{YB}	53, 81, 62
Decimal	4739381
CIE _{Lab}	33.00, -9.15, 15.32
CIE _{LCh}	33, 17.844, 120.839
Yxy	7.5373, 0.3425, 0.4116
Android (android.graphics.Color)	4282929461 (0xFF485135)
YUV	75.1170, -10.9037, -2.7336
Hunter-Lab	27.4541, -7.2599, 9.4939

Details

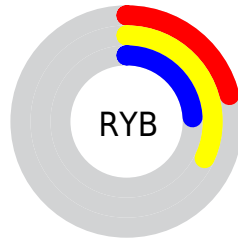
The CIELCh color **33, 17.844, 120.839** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 18.978, 304.671**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 17.603, 120.519**, and **13, 17.494, 120.943** is the 20% darker color. If you saturate the color by 10%, you get **33, 22.846, 120.346**, and if you desaturate by 10%, it is **33, 12.731, 121.359**.

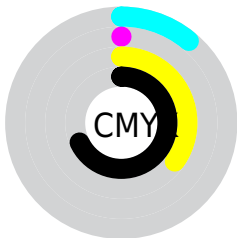
Distribution



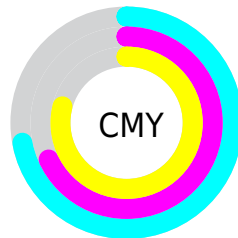
- Red (28%)
- Green (32%)
- Blue (21%)



- Red (21%)
- Yellow (32%)
- Blue (24%)



- Cyan (11%)
- Magenta (0%)
- Yellow (35%)
- Black (68%)





- Cyan (72%)
- Magenta (68%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 17.844, 120.839 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, 17.844, 120.839 by changing the saturation by 10% instead.


 33, 17.844,
120.839


 33, 17.844,
120.839

 100, 17.844,
120.839


 23, 17.844,
120.839

 53, 17.844,
120.839


 13, 17.844,
120.839


 63, 17.844,
120.839

 3, 17.844, 120.839

 73, 17.844,
120.839

 0, 17.844, 120.839

 83, 17.844,
120.839

 93, 17.844,
120.839

■ 33, 17.844,
120.839

■ 33, 17.844,
120.839

■ 33, 22.846,
120.346

■ 33, 12.731,
121.359

■ 32, 27.661,
119.902

■ 34, 7.556, 121.878

■ 32, 32.185,
119.553

■ 34, 2.356, 122.394

■ 32, 36.274,
119.361

■ 35, 2.845, 302.858

■ 31, 39.745,
119.404

■ 36, 13.176,
303.762

■ 31, 42.695,
119.617

■ 36, 18.282,
304.168

■ 31, 44.423,
119.628

■ 37, 23.337,
304.546

■ 38, 28.335,

Harmonies

Complementary

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



33, 17.844, 120.839



24, 18.978, 304.671

Rectangle

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



33, 17.844, 120.839



33, 17.844, 170.839



33, 17.844, 300.839



33, 17.844, 350.839

Sweetspot

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



33, 17.845, 120.841



44, 6.413, 122.095



28, 11.053, 51.530



22, 4.411, 122.053



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, 17.845, 120.841



42, 25.994, 120.448



32, 20.362, 137.601



16, 2.920, 122.177



40, 53.152, 120.116



84, 95.950, 121.118

Inverse Universe

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



24, 18.978, 304.671



29, 28.106, 305.247



26, 20.622, 320.709



15, 2.967, 303.048



12, 66.741, 309.133



32, 120.675, 308.479

Previews

White Background



This preview shows how the CIELCh color 33, 17.844, 120.839 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, 17.844, 120.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

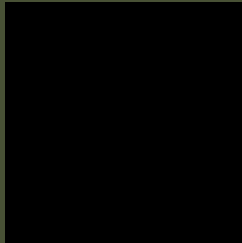
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 17.844, 120.839

Background



This preview shows how black text looks on a background with the CIELCh color 33, 17.844, 120.839.

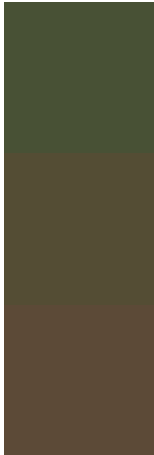


This preview shows how white text looks on a background with the CIELCh color 33, 17.844, 120.839.

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

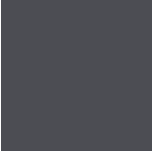
33, 17.844, 120.839

Protanopia

33, 15.971, 95.095

Deuteranopia

33, 14.940, 72.160



Tritanopia
33, 3.803, 284.515

Trichromacy



Original Color
33, 17.844, 120.839

Protanomaly
33, 16.197, 103.866

Deuteranomaly
33, 14.892, 92.572

Tritanomaly
33, 4.008, 128.779

Monochromacy



Original Color
33, 17.844, 120.839

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 6.445, 121.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 17.844, 120.839 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(72, 81, 53)` looks like.

```
.text, #text, p{  
    color:rgb(72, 81, 53)  
}
```

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(72, 81, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 81, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 17.844, 120.839 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(72, 81, 53) }
```

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

```
.border{ border-color:rgb(72, 81, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 81, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 81, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 81, 53);  
box-shadow:4px 4px 4px 4px rgb(72, 81, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 17.844, 120.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 81, 53) }
```

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

```
.background{ background-color: rgb(72, 81,  
53) }
```

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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