

Converting Colors

CIELCh(33, 18.821, 122.275)

Have a look what the booklet for
CIELCh(33, 18.821, 122.275)
contains.

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Color

CIELCh(33, 18.551, 121.707)

Conversions

Conversions Part 1

Format	Color
Hex	475134
RGB	71, 81, 52
RGB Percent	28%, 32%, 20%
CMY	0.7203, 0.6810, 0.7948
CMYK	0.12, 0.00, 0.36, 0.68
HSL	81°, 22%, 26%
HSV	81°, 36%, 32%
XYZ	6.2169, 7.5373, 4.4132
YIQ	74.7040, 3.3490, -11.1390

Conversions

Conversions Part 2

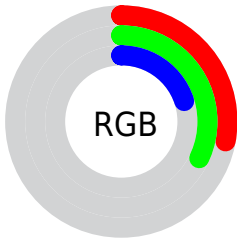
Format	Color
R_{YB}	52, 81, 62
Decimal	4673844
CIE Lab	33.00, -9.75, 15.78
CIE LCh	33, 18.551, 121.707
Yxy	7.5373, 0.3422, 0.4149
Android (android.graphics.Color)	4282863924 (0xFF475134)
YUV	74.7040, -11.1931, -3.2484
Hunter-Lab	27.4541, -7.6237, 9.6872

Details

The CIELCh color **33, 18.551, 121.707** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 19.734, 305.527**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 18.256, 121.366**, and **13, 18.447, 121.967** is the 20% darker color. If you saturate the color by 10%, you get **33, 23.575, 121.232**, and if you desaturate by 10%, it is **33, 13.410, 122.210**.

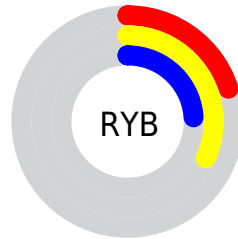
Distribution



 Red (28%)

 Green (32%)

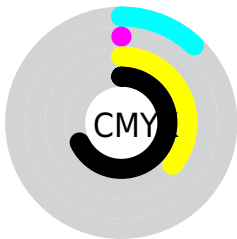
 Blue (20%)



 Red (20%)

 Yellow (32%)

 Blue (24%)

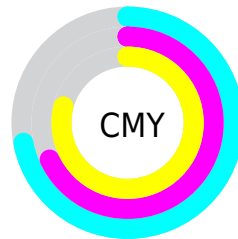


 Cyan (12%)

 Magenta (0%)

 Yellow (36%)

 Black (68%)



 Cyan (72%)


 Magenta (68%)


 Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 18.551, 121.707 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, 18.551, 121.707 by changing the saturation by 10% instead.


 33, 18.551,
121.707


 33, 18.551,
121.707

 100, 18.551,
121.707


 23, 18.551,
121.707

 53, 18.551,
121.707


 13, 18.551,
121.707


 63, 18.551,
121.707

 3, 18.551, 121.707

 73, 18.551,
121.707

 0, 18.551, 121.707

 83, 18.551,
121.707

 93, 18.551,
121.707

■ 33, 18.551,
121.707

■ 33, 18.551,
121.707

■ 33, 23.575,
121.232

■ 33, 13.410,
122.210

■ 32, 28.404,
120.811

■ 34, 8.203, 122.714

■ 34, 2.969, 123.213

■ 32, 32.928,
120.491

■ 35, 2.265, 303.658

■ 32, 36.997,
120.338

■ 35, 7.479, 304.115

■ 31, 40.427,
120.434

■ 36, 12.659,
304.537

■ 31, 43.417,
120.654

■ 36, 17.794,
304.928

■ 31, 44.808,
120.660

■ 37, 22.875,
305.291

■ 38, 27.897,

Harmonies

Complementary

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



33, 18.551, 121.707



24, 19.734, 305.527

Rectangle

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



33, 18.551, 121.707



33, 18.551, 171.707



33, 18.551, 301.707



33, 18.551, 351.707

Sweetspot

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



33, 18.552, 121.709



44, 7.083, 122.929



28, 11.458, 53.297



22, 4.798, 122.894



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, 18.552, 121.709



42, 27.341, 121.288



32, 21.192, 137.984



16, 2.931, 123.061



40, 53.519, 121.160



84, 96.676, 122.196

Inverse Universe

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



24, 19.734, 305.527



29, 29.611, 306.142



26, 21.439, 321.264



15, 2.977, 303.898



12, 66.456, 309.492



33, 120.163, 308.813

Previews

White Background



This preview shows how the CIELCh color 33, 18.551, 121.707 looks on a white background.

Color Contrast Check

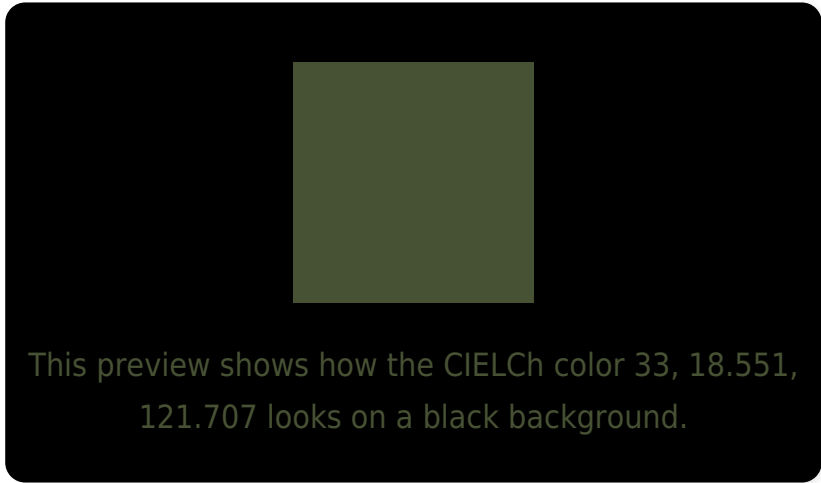
Large Text (above 18pt) WCAG AA ✓ Pass

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

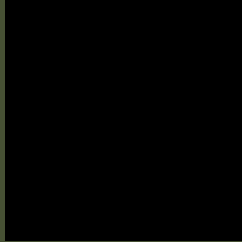
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

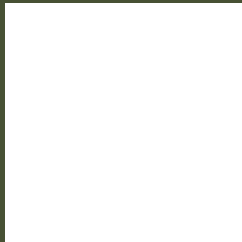
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 18.551, 121.707

Background



This preview shows how black text looks on a background with the CIELCh color 33, 18.551, 121.707.



This preview shows how white text looks on a background with the CIELCh color 33, 18.551, 121.707.

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, 18.551, 121.707

Protanopia

33, 16.571, 95.396

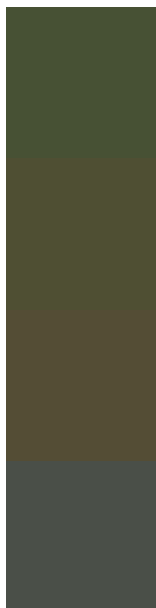
Deuteranopia

33, 15.469, 73.315



Tritanopia
33, 4.430, 285.550

Trichromacy



Original Color
33, 18.551, 121.707

Protanomaly
33, 17.349, 107.081

Deuteranomaly
33, 15.369, 94.760

Tritanomaly
33, 4.935, 135.859

Monochromacy



Original Color
33, 18.551, 121.707

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, 18.551, 121.707 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(71, 81, 52)` looks like.

```
.text, #text, p{  
    color:rgb(71, 81, 52)  
}
```

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(71, 81, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 81, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 18.551, 121.707 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(71, 81, 52) }
```

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

```
.border{ border-color:rgb(71, 81, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 81, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 81, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 81, 52);  
box-shadow:4px 4px 4px 4px rgb(71, 81, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 18.551, 121.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 81, 52) }
```

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

```
.background{ background-color: rgb(71, 81,  
52) }
```

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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