

Converting Colors

CIELCh(33, 26.609, 127.030)

Have a look what the booklet for
CIELCh(33, 26.609, 127.030)
contains.

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Color

CIELCh(33, 26.858, 127.419)

Conversions

Conversions Part 1

Format	Color
Hex	3F542B
RGB	63, 84, 43
RGB Percent	25%, 33%, 17%
CMY	0.7536, 0.6713, 0.8320
CMYK	0.25, 0.00, 0.49, 0.67
HSL	91°, 32%, 25%
HSV	91°, 49%, 33%
XYZ	5.6283, 7.5373, 3.4279
YIQ	73.0470, 0.6450, -17.2030

Conversions

Conversions Part 2

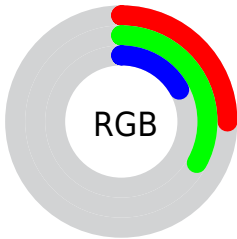
Format	Color
R_YB	43, 84, 64
Decimal	4150315
CIE Lab	33.00, -16.32, 21.33
CIE LCh	33, 26.858, 127.419
Yxy	7.5373, 0.3392, 0.4542
Android (android.graphics.Color)	4282340395 (0xFF3F542B)
YUV	73.0470, -14.8132, -8.8112
Hunter-Lab	27.4541, -11.4509, 11.8150

Details

The CIELCh color **33, 26.858, 127.419** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **22, 28.611, 311.713**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 27.222, 127.158**, and **13, 24.686, 128.743** is the 20% darker color. If you saturate the color by 10%, you get **33, 31.968, 127.054**, and if you desaturate by 10%, it is **33, 21.521, 127.844**.

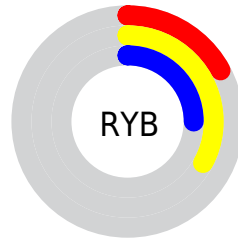
Distribution



 Red (25%)

 Green (33%)

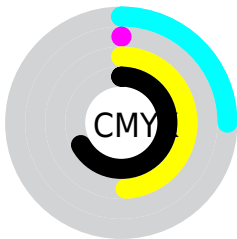
 Blue (17%)



 Red (17%)

 Yellow (33%)

 Blue (25%)

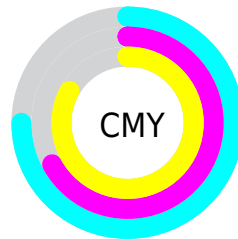


 Cyan (25%)

 Magenta (0%)

 Yellow (49%)

 Black (67%)



 Cyan (75%)

 Magenta (67%)


 Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 26.858, 127.419 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, 26.858, 127.419 by changing the saturation by 10% instead.


 33, 26.858,
127.419


 33, 26.858,
127.419

 100, 26.858,
127.419


 23, 26.858,
127.419

 53, 26.858,
127.419


 13, 26.858,
127.419


 63, 26.858,
127.419

 3, 26.858, 127.419

 73, 26.858,
127.419

 0, 26.858, 127.419

 83, 26.858,
127.419

 93, 26.858,
127.419

■ 33, 26.858,
127.419

■ 33, 26.858,
127.419

■ 33, 31.968,
127.054

■ 33, 21.521,
127.844

■ 32, 36.719,
126.801

■ 34, 16.047,
128.288

■ 32, 40.943,
126.741

■ 35, 10.504,
128.729

■ 32, 44.442,
126.967

■ 35, 4.938, 129.158

■ 31, 47.751,
127.105

■ 36, 0.616, 309.434

■ 31, 48.136,
127.095

■ 36, 6.133, 309.896

■ 37, 11.594,
310.236

■ 38, 16.987,
310.542

■ 39, 22.301,
310.818

Harmonies

Complementary

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



33, 26.858, 127.419



22, 28.611, 311.713

Rectangle

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



33, 26.858, 127.419



33, 26.858, 177.419



33, 26.858, 307.419



33, 26.858, 357.419

Sweetspot

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



33, 26.859, 127.420



45, 10.405, 128.875



28, 17.013, 69.837



23, 7.156, 128.820



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 26.859, 127.420



42, 39.839, 126.988



32, 31.037, 140.927



16, 3.033, 129.166



39, 56.387, 127.574



83, 102.225, 128.684

Inverse Universe

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



22, 28.611, 311.713



26, 43.191, 312.263



24, 30.932, 326.797



15, 3.069, 309.833



14, 64.272, 312.781



37, 116.063, 312.017

Previews

White Background



This preview shows how the CIELCh color 33, 26.858, 127.419 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 CIE LCh color 33, 26.858, 127.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

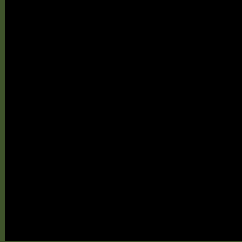
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 26.858, 127.419

Background



This preview shows how black text looks on a background with the CIELCh color 33, 26.858, 127.419.



This preview shows how white text looks on a background with the CIELCh color 33, 26.858, 127.419.

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

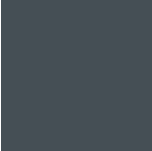
33, 26.858, 127.419

Protanopia

33, 23.020, 97.354

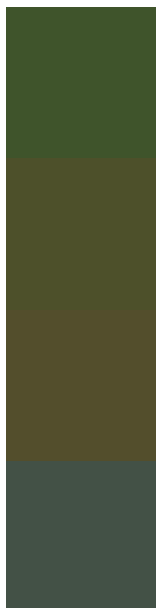
Deuteranopia

33, 20.909, 78.189



Tritanopia
33, 5.479, 242.832

Trichromacy



Original Color
33, 26.858, 127.419

Protanomaly
33, 23.278, 109.676

Deuteranomaly
33, 21.126, 99.682

Tritanomaly
33, 9.275, 149.969

Monochromacy



Original Color
33, 26.858, 127.419

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 10.144, 129.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 26.858, 127.419 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(63, 84, 43)` looks like.

```
.text, #text, p{  
    color:rgb(63, 84, 43)  
}
```

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(63, 84, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 84, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 26.858, 127.419 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(63, 84, 43) }
```

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

```
.border{ border-color:rgb(63, 84, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 84, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 84, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 84, 43);  
box-shadow:4px 4px 4px 4px rgb(63, 84, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 26.858, 127.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 84, 43) }
```

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

```
.background{ background-color: rgb(63, 84,  
43) }
```

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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