

Converting Colors

CIELCh(33, 15.809, 151.431)

Have a look what the booklet for
CIELCh(33, 15.809, 151.431)
contains.

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Color

CIELCh(33, 15.719, 151.340)

Conversions

Conversions Part 1

Format	Color
Hex	3A5341
RGB	58, 83, 65
RGB Percent	23%, 33%, 25%
CMY	0.7712, 0.6731, 0.7437
CMYK	0.30, 0.00, 0.22, 0.67
HSL	137°, 18%, 28%
HSV	137°, 30%, 33%
XYZ	5.8501, 7.5373, 6.2000
YIQ	73.4730, -9.1220, -10.8980

Conversions

Conversions Part 2

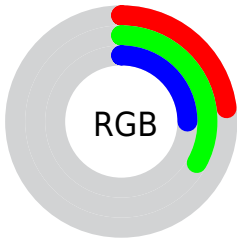
Format	Color
R_{YB}	58, 78, 83
Decimal	3822401
CIE _{Lab}	33.00, -13.79, 7.54
CIE _{LCh}	33, 15.719, 151.340
Yxy	7.5373, 0.2987, 0.3848
Android (android.graphics.Color)	4282012481 (0xFF3A5341)
YUV	73.4730, -4.1772, -13.5698
Hunter-Lab	27.4541, -10.0089, 5.8284

Details

The CIELCh color **33, 15.719, 151.340** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **28, 15.858, 335.396**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 15.872, 151.272**, and **13, 16.104, 150.952** is the 20% darker color. If you saturate the color by 10%, you get **32, 20.872, 150.413**, and if you desaturate by 10%, it is **34, 10.483, 152.156**.

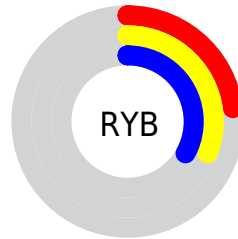
Distribution



 Red (23%)

 Green (33%)

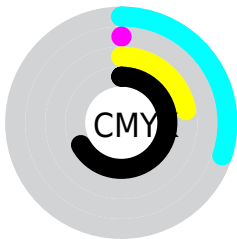
 Blue (25%)



 Red (23%)

 Yellow (31%)

 Blue (33%)

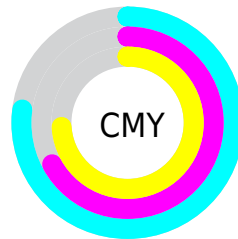


 Cyan (30%)

 Magenta (0%)

 Yellow (22%)

 Black (67%)



 Cyan (77%)


 Magenta (67%)


 Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 15.719, 151.340 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, 15.719, 151.340 by changing the saturation by 10% instead.


 33, 15.719,
151.340


 33, 15.719,
151.340

 100, 15.719,
151.340


 23, 15.719,
151.340

 53, 15.719,
151.340


 13, 15.719,
151.340


 63, 15.719,
151.340

 3, 15.719, 151.340

 73, 15.719,
151.340

 0, 15.719, 151.340

 83, 15.719,
151.340

 93, 15.719,
151.340

■ 33, 15.719,
151.340

■ 33, 15.719,
151.340

■ 32, 20.872,
150.413

■ 34, 10.483,
152.156

■ 32, 25.862,
149.359

■ 35, 5.225, 152.886

■ 31, 30.607,
148.162

■ 35, 0.003, 241.606

■ 36, 5.153, 334.005

■ 31, 35.020,
146.814

■ 37, 10.203,
334.521

■ 31, 39.019,
145.317

■ 39, 15.132,
334.974

■ 30, 42.545,
143.698

■ 40, 19.925,
335.381

■ 30, 45.787,
142.325

■ 41, 24.577,
335.749

■ 42, 29.086,
336.085

Harmonies

Complementary

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



33, 15.719, 151.340



28, 15.858, 335.396

Rectangle

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



33, 15.719, 151.340



33, 15.719, 201.340



33, 15.719, 331.340



33, 15.719, 21.340

Sweetspot

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



33, 15.720, 151.340



44, 5.777, 152.936



34, 15.752, 118.868



22, 3.969, 152.873



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, 15.720, 151.340



42, 23.136, 150.687



33, 10.926, 178.149



16, 2.864, 152.978



38, 54.405, 141.668



81, 100.809, 140.254

Inverse Universe

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



28, 15.858, 335.396



34, 23.354, 335.906



28, 12.095, 3.735



15, 2.877, 333.972



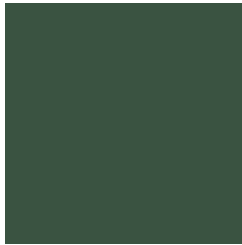
22, 49.037, 342.411



52, 86.857, 343.711

Previews

White Background



This preview shows how the CIELCh color 33, 15.719, 151.340 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, 15.719, 151.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

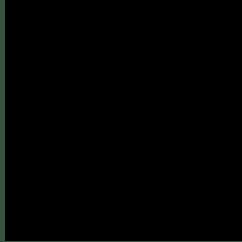
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 15.719, 151.340

Background



This preview shows how black text looks on a background with the CIELCh color 33, 15.719, 151.340.



This preview shows how white text looks on a background with the CIELCh color 33, 15.719, 151.340.

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

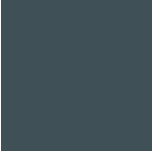
33, 15.719, 151.340

Protanopia

33, 9.691, 94.552

Deuteranopia

33, 8.243, 57.414



Tritanopia
33, 7.899, 232.798

Trichromacy



Original Color
33, 15.719, 151.340

Protanomaly
33, 10.396, 123.645

Deuteranomaly
33, 7.520, 108.836

Tritanomaly
33, 8.304, 189.443

Monochromacy



Original Color
33, 15.719, 151.340

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 5.496, 154.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 15.719, 151.340 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(58, 83, 65)` looks like.

```
.text, #text, p{  
    color:rgb(58, 83, 65)  
}
```

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(58, 83, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 83, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 15.719, 151.340 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(58, 83, 65) }
```

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

```
.border{ border-color:rgb(58, 83, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 83, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 83, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 83, 65);  
box-shadow:4px 4px 4px 4px rgb(58, 83, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 15.719, 151.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 83, 65) }
```

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

```
.background{ background-color: rgb(58, 83,  
65) }
```

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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