

Converting Colors

Hex(33AB51)

Have a look what the booklet for
Hex(33AB51) contains.

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Color

Hex(33AB51)

Conversions

Conversions Part 1

Format	Color
Hex	33AB51
RGB	51, 171, 81
RGB Percent	20%, 67%, 32%
CMY	0.8000, 0.3294, 0.6824
CMYK	0.70, 0.00, 0.53, 0.33
HSL	135°, 54%, 44%
HSV	135°, 70%, 67%
XYZ	17.4134, 30.4237, 12.7392
YIQ	124.8600, -42.6300, -53.4300

Conversions

Conversions Part 2

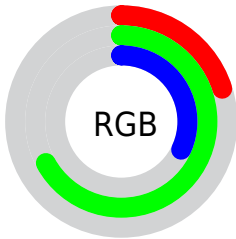
Format	Color
RYB	51, 147, 171
Decimal	3386193
CIELab	62.02, -52.31, 36.69
CIELCh	62, 63.895, 144.949
Yxy	30.4237, 0.2875, 0.5022
Android (android.graphics.Color)	4281576273 (0xFF33AB51)
YUV	124.8600, -21.6230, -64.7752
Hunter-Lab	55.1577, -40.1733, 24.9168

Details

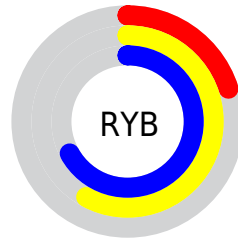
The Hex color **33AB51** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **AB338D**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **71E384**, and **007520** is the 20% darker color. If you saturate the color by 10%, you get **22AB44**, and if you desaturate by 10%, it is **44AB5E**.

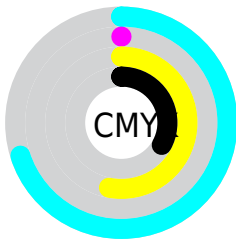
Distribution



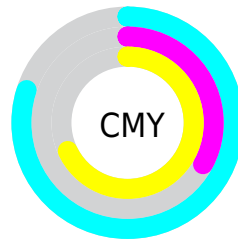
- Red (20%)
- Green (67%)
- Blue (32%)



- Red (20%)
- Yellow (58%)
- Blue (67%)



- Cyan (70%)
- Magenta (0%)
- Yellow (53%)
- Black (33%)



- Cyan (80%)
- Magenta (33%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33AB51 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 Hex color 33AB51 by changing the saturation by 10% instead.



33AB51



33AB51

FFFFFF



009038



71E384



007520



8EFF9F



005C04



ABFFBA



004300



C9FFD6



002D00



E6FFF3



000D00



000000



33AB51



33AB51



22AB44



44AB5E

 11AB37

 55AB6B

 00AB2B

 66AB77

 77AB84

 88AB91

 9AAB9E

 ABABAB

 BCABB8

 CDABC4

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84A121



33AB51



00B08A

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33AB51



009FFF



FA646A

Complementary

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



33AB51



AB338D

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



F65FA2



33AB51



848BFD

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33AB51



00ABF2



D172D8



E47938

Rectangle

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



33AB51



00B1B1



D172D8



FC5F7C

Sweetspot

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



33AB51



AFDEBB



8DAB33



54705B



F0F0F0



707070

Same Dimension

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



33AB51



23DE52



33AB8D



4E5750



009626



001706

Inverse Universe

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



AB338D



DE23AF



AB3351



574E55



960071



170011

Previews

White Background



This preview shows how the Hex color 33AB51 looks on a white background.

Color Contrast Check

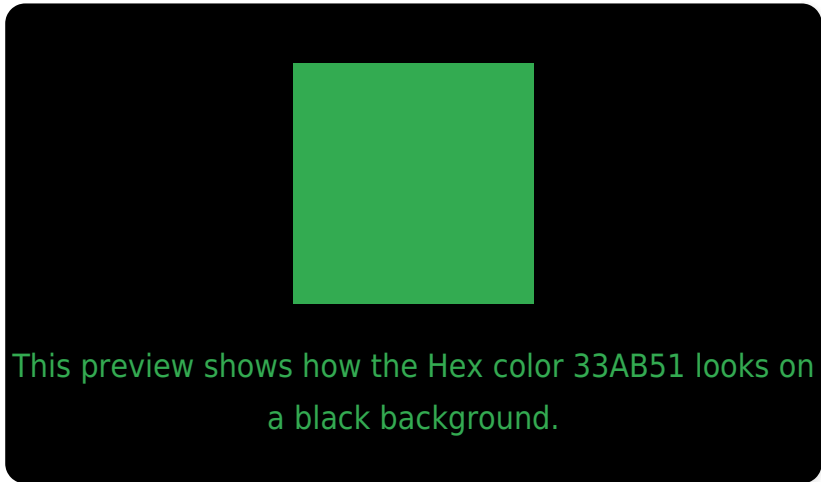
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black 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

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

Hex 33AB51 Background



This preview shows how black text looks on a background with the Hex color 33AB51.

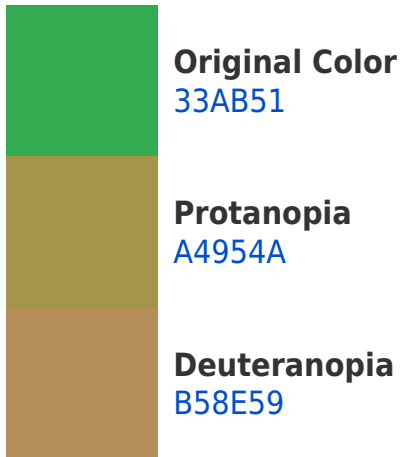


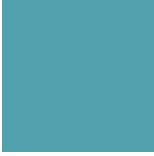
This preview shows how white text looks on a background with the Hex color 33AB51.

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](#).

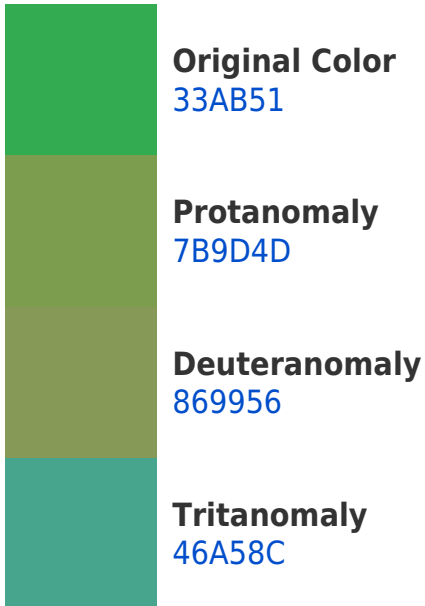
Dichromacy



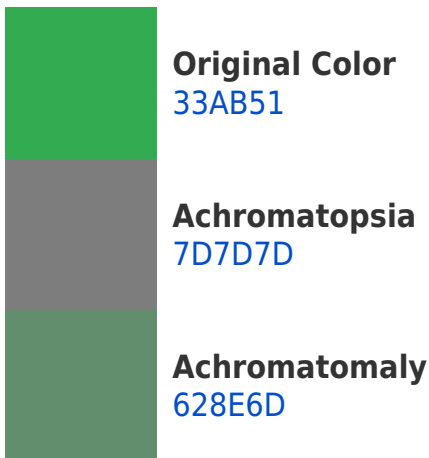


Tritanopia
51A1AE

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 33AB51 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 #33AB51 looks like.

```
.text, #text, p{  
    color:#33AB51  
}
```

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 #33AB51 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33AB51
}
```

Border

The CSS property to change the border of an element to Hex 33AB51 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
#33AB51 }
```

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

```
.border{ border-color:#33AB51 }
```

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

Here you see how a box with a 4 pixel #33AB51 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33AB51; -webkit-box-shadow:4px 4px  
4px 4px #33AB51; box-shadow:4px 4px 4px  
4px #33AB51 }
```

Background

The CSS property to change the background color of an element to Hex 33AB51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33AB51 }
```

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

```
.background{ background-color:#33AB51 }
```

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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