

Converting Colors

Hex(45A331)

Have a look what the booklet for
Hex(45A331) contains.

Hex(45A331)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(45A331)

Conversions

Conversions Part 1

Format	Color
Hex	45A331
RGB	69, 163, 49
RGB Percent	27%, 64%, 19%
CMY	0.7294, 0.3608, 0.8078
CMYK	0.58, 0.00, 0.70, 0.36
HSL	109°, 54%, 42%
HSV	109°, 70%, 64%
XYZ	16.1058, 27.6813, 7.3999
YIQ	121.8980, -19.4300, -55.3820

Conversions

Conversions Part 2

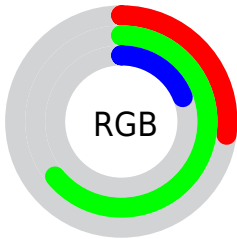
Format	Color
R_{YB}	49, 163, 143
Decimal	4563761
CIE _{Lab}	59.60, -49.18, 48.73
CIE _{LCh}	60, 69.229, 135.263
Yxy	27.6813, 0.3146, 0.5408
Android (android.graphics.Color)	4282753841 (0xFF45A331)
YUV	121.8980, -35.9387, -46.3915
Hunter-Lab	52.6131, -37.4308, 28.4901

Details

The Hex color **45A331** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8F31A3**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **7FDB65**, and **006E00** is the 20% darker color. If you saturate the color by 10%, you get **38A321**, and if you desaturate by 10%, it is **52A341**.

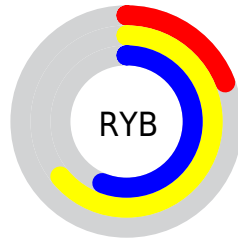
Distribution



Red (27%)

Green (64%)

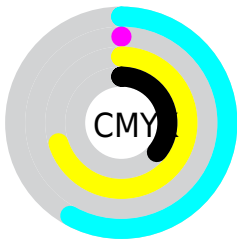
Blue (19%)



Red (19%)

Yellow (64%)

Blue (56%)

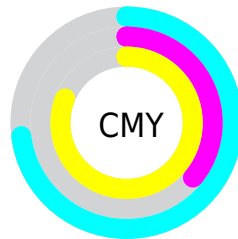


Cyan (58%)

Magenta (0%)

Yellow (70%)

Black (36%)



Cyan (73%)

Magenta (36%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45A331 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 45A331 by changing the saturation by 10% instead.

 45A331

 45A331

FFFFFF

 248814

 7FDB65

 006E00

 9BF880

 005500

 B8FF9B

 003C00

 D5FFB7

 002700

 F3FFD3

 000000

 FFFFF0

 45A331

 45A331

 38A321

 52A341

 2AA310

 60A352

 1DA300

 6DA362

 7BA372

 88A383

 96A393

 A3A3A3

 B1A3B3

 BEA3C4

Harmonies

Analogous

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



8F9600



45A331



00AA6E

Triad

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



45A331



009FFF



FC5073

Complementary

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



45A331



8F31A3

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.



ED55B0



45A331



448CFF

Square

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



45A331



00A9E5



B970E6



EB673A

Rectangle

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



45A331



00AB99



B970E6



FB4E87

Sweetspot

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



45A331



AFD4A7



A38E31



556B50



EBEBEB



6B6B6B

Same Dimension

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



45A331



41D422



31A355



4B5249



199100



031200

Inverse Universe

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



8F31A3



B422D4



A3317F



504952



780091



0F0012

Previews

White Background



This preview shows how the Hex color 45A331 looks on a white background.

Color Contrast Check

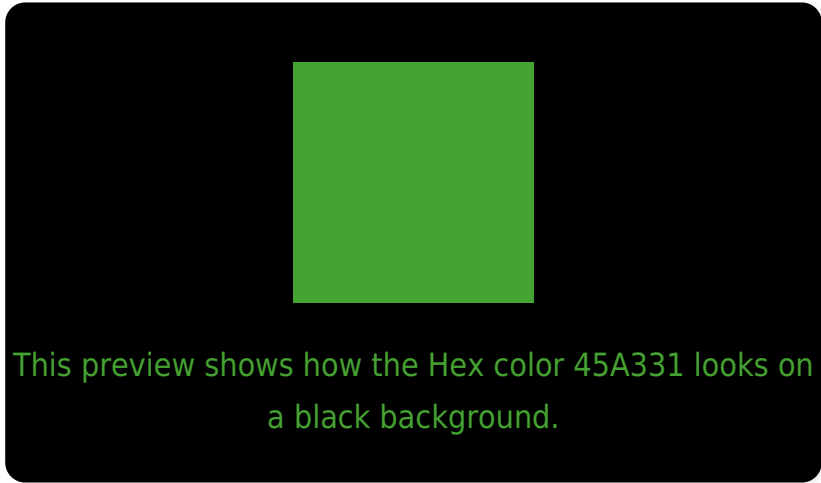
Large Text (above 18pt) WCAG AA ✓ Pass

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

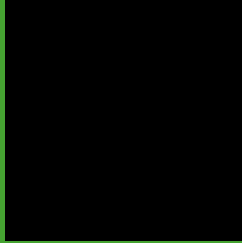
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Hex 45A331 Background



This preview shows how black text looks on a background with the Hex color 45A331.

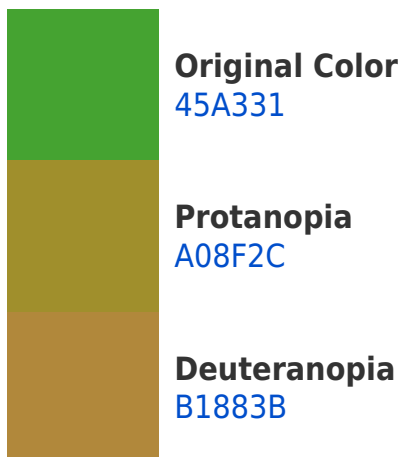


This preview shows how white text looks on a background with the Hex color 45A331.

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](#).

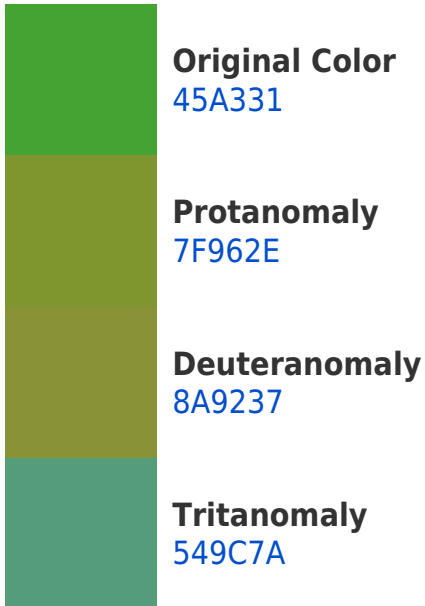
Dichromacy



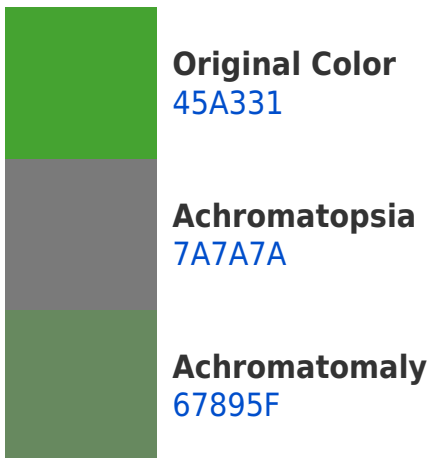


Tritanopia
5D98A4

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 45A331 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 #45A331 looks like.

```
.text, #text, p{  
    color:#45A331  
}
```

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 #45A331 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45A331
}
```

Border

The CSS property to change the border of an element to Hex 45A331 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
#45A331 }
```

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

```
.border{ border-color:#45A331 }
```

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

Here you see how a box with a 4 pixel #45A331 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45A331; -webkit-box-shadow:4px 4px  
4px 4px #45A331; box-shadow:4px 4px 4px  
4px #45A331 }
```

Background

The CSS property to change the background color of an element to Hex 45A331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45A331 }
```

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

```
.background{ background-color:#45A331 }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor