

# Converting Colors

Hex(45B103)

Have a look what the booklet for  
Hex(45B103) contains.

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**Color**

**Hex(45B103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45B103
RGB	69, 177, 3
RGB Percent	27%, 69%, 1%
CMY	0.7294, 0.3059, 0.9882
CMYK	0.61, 0.00, 0.98, 0.31
HSL	97°, 97%, 35%
HSV	97°, 98%, 69%
XYZ	18.1928, 32.7161, 5.4421
YIQ	124.8720, -8.5140, -77.0100

# Conversions

## Conversions Part 2

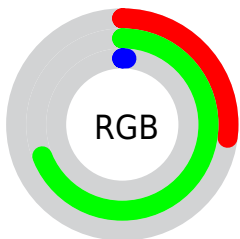
Format	Color
<b>RYB</b>	<b>3, 177, 111</b>
Decimal	4567299
CIELab	63.93, -56.37, 64.14
CIElCh	64, 85.393, 131.313
Yxy	32.7161, 0.3228, 0.5806
Android (android.graphics.Color)	4282757379 (0xFF45B103)
YUV	124.8720, -60.0829, -48.9997
Hunter-Lab	57.1980, -43.3214, 34.3974

# Details

The Hex color **45B103** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **6F03B1**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **82EA4D**, and **007B00** is the 20% darker color. If you saturate the color by 10%, you get **43B100**, and if you desaturate by 10%, it is **50B115**.

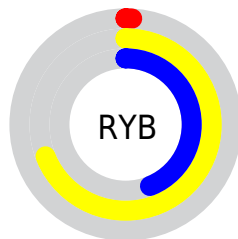
# Distribution



Red (27%)

Green (69%)

Blue (1%)



Red (1%)

Yellow (69%)

Blue (44%)

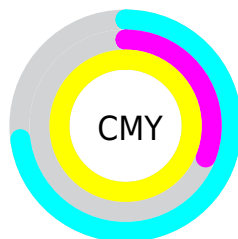


Cyan (61%)

Magenta (0%)

Yellow (98%)

Black (31%)



Cyan (73%)

Magenta (31%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45B103 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 45B103 by changing the saturation by 10% instead.





45B103



45B103

FFFFFF



1F9600



82EA4D



007B00



A0FF69



006100



BDFE85



004800



DBFFA1



003200



FAFFBD



001600



FFFFDA



000000



FFFFF8



45B103



45B103

■ 43B100

■ 50B115

■ 5BB126

■ 66B138

■ 71B14A

■ 7CB15B

■ 87B16D

■ 92B17F

■ 9DB191

■ A8B1A2

# Harmonies

## Analogous

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



A1A100



45B103



00B967

# Triad

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



45B103



00B1FF



FF3C82

# Complementary

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



45B103



6F03B1

# 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.



FF4CCE



45B103



009BFF

# Square

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



45B103



00BAFF



C077FF



FF5F38

# Rectangle

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



45B103



00BC9C



C077FF



FF3A9B



# Sweetspot

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



45B103



BCE6A3



B16E03



5A734B



F2F2F2



737373



# Same Dimension

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



45B103



57E600



03B117



545950



3A9900



0A1A00



# Inverse Universe

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



6F03B1



8E00E6



B1039D



565059



5F0099



10001A



# Previews

## White Background



This preview shows how the Hex color 45B103 looks on a white background.

## Color Contrast Check

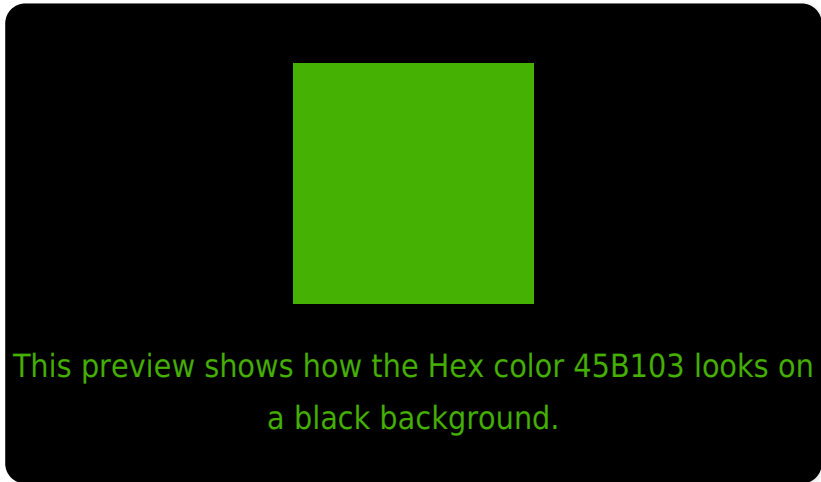
Large Text (above 18pt) WCAG AA × Fail

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 45B103 Background



This preview shows how black text looks on a background with the Hex color 45B103.

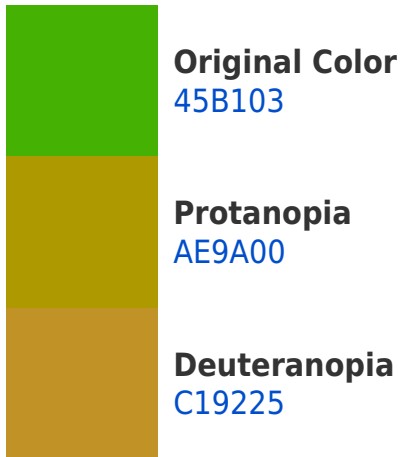


This preview shows how white text looks on a background with the Hex color 45B103.

# 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**  
62A5B2

# Trichromacy



**Original Color**  
45B103



**Protanomaly**  
88A201



**Deuteranomaly**  
949D19



**Tritanomaly**  
57A972

# Monochromacy



**Original Color**  
45B103



**Achromatopsia**  
7D7D7D



**Achromatomaly**  
699051

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45B103 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 #45B103 looks like.

```
.text, #text, p{  
    color:#45B103  
}
```

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 #45B103 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45B103
}
```

## Border

The CSS property to change the border of an element to Hex 45B103 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".

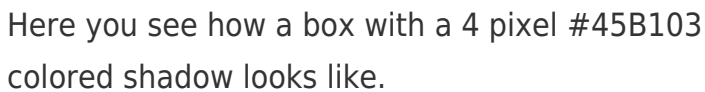
```
.border, #border, table{ border:4px solid
#45B103 }
```

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

```
.border{ border-color:#45B103 }
```

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

Here you see how a box with a 4 pixel #45B103 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45B103; -webkit-box-shadow:4px 4px  
4px 4px #45B103; box-shadow:4px 4px 4px  
4px #45B103 }
```

# Background

The CSS property to change the background color of an element to Hex 45B103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45B103 }
```

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

```
.background{ background-color:#45B103 }
```

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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