

Converting Colors

Hex(45B100)

Have a look what the booklet for
Hex(45B100) contains.

Hex(45B100)	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(45B100)

Conversions

Conversions Part 1

Format	Color
Hex	45B100
RGB	69, 177, 0
RGB Percent	27%, 69%, 0%
CMY	0.7294, 0.3059, 1.0000
CMYK	0.61, 0.00, 1.00, 0.31
HSL	97°, 100%, 35%
HSV	97°, 100%, 69%
XYZ	18.1764, 32.7095, 5.3556
YIQ	124.5300, -7.5510, -77.9430

Conversions

Conversions Part 2

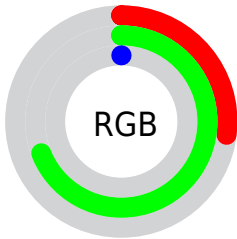
Format	Color
RYB	0, 177, 108
Decimal	4567296
CIELab	63.92, -56.44, 64.52
CIELCh	64, 85.723, 131.176
Yxy	32.7095, 0.3232, 0.5816
Android (android.graphics.Color)	4282757376 (0xFF45B100)
YUV	124.5300, -61.3933, -48.6998
Hunter-Lab	57.1922, -43.3569, 34.4825

Details

The Hex color **45B100** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **6C00B1**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **82EA4C**, and **007B00** is the 20% darker color. If you saturate the color by 10%, you get **45B100**, and if you desaturate by 10%, it is **50B112**.

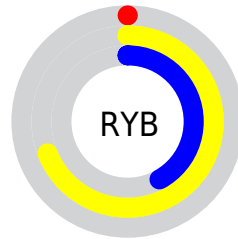
Distribution



Red (27%)

Green (69%)

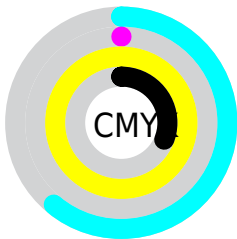
Blue (0%)



Red (0%)

Yellow (69%)

Blue (42%)

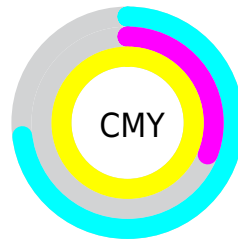


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (73%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45B100 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 45B100 by changing the saturation by 10% instead.

 45B100

 45B100

FFFFFF

 1F9600

 82EA4C

 007B00

 A0FF68

 006100

 BEFF84

 004800

 DBFFA0

 003200

 FAFFBC

 001600

 FFFFD9

 000000

 FFFFF7

 45B100

 50B112

 5BB123

 65B135

 70B147

 7BB159

 86B16A

 91B17C

 9BB18E

 A6B19F

Harmonies

Analogous

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



A1A100



45B100



00B966

Triad

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



45B100



00B1FF



FF3B82

Complementary

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



45B100



6C00B1

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.



FF4BCE



45B100



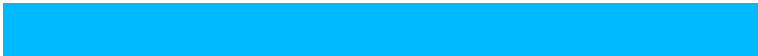
009BFF

Square

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



45B100



00BAFF



BF77FF



FF5E38

Rectangle

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



45B100



00BC9C



BF77FF



FF399B

Sweetspot

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



45B100



BBE6A1



B16A00



5A7349



F2F2F2



737373

Same Dimension

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



45B100



59E600



00B112



545950



3C9900



0A1A00

Inverse Universe

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



6C00B1



8C00E6



B1009F



565059



5D0099



10001A

Previews

White Background



This preview shows how the Hex color 45B100 looks on a white background.

Color Contrast Check

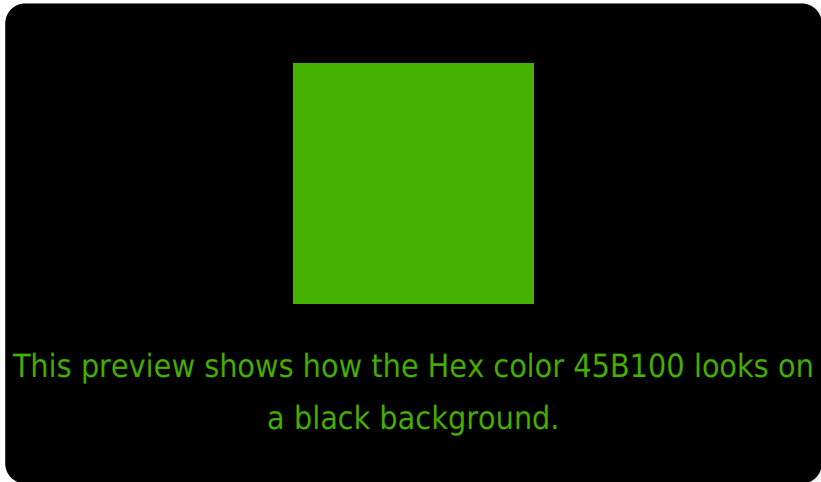
Large Text (above 18pt) WCAG AA × Fail

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 45B100 Background



This preview shows how black text looks on a background with the Hex color 45B100.

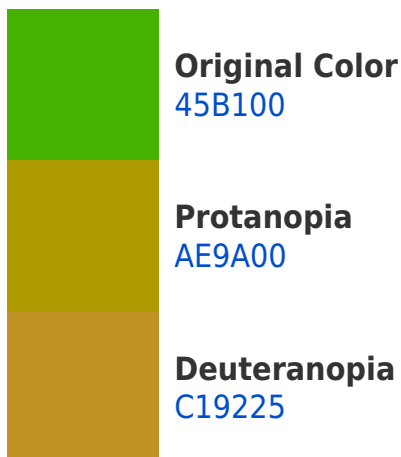


This preview shows how white text looks on a background with the Hex color 45B100.

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](#).

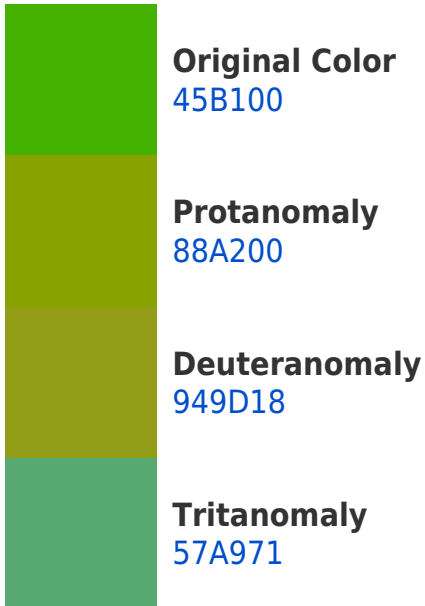
Dichromacy



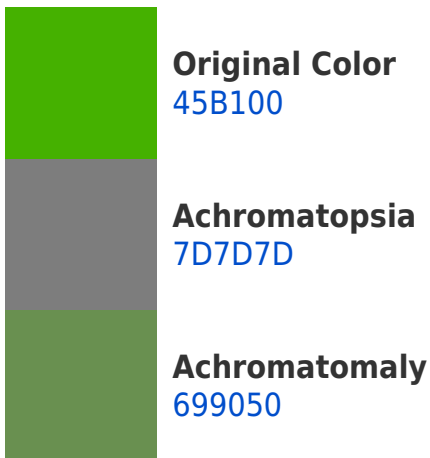


Tritanopia
62A5B2

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 45B100 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 #45B100 looks like.

```
.text, #text, p{  
    color:#45B100  
}
```

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 #45B100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45B100
}
```

Border

The CSS property to change the border of an element to Hex 45B100 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
#45B100 }
```

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

```
.border{ border-color:#45B100 }
```

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

Here you see how a box with a 4 pixel #45B100 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45B100; -webkit-box-shadow:4px 4px  
4px 4px #45B100; box-shadow:4px 4px 4px  
4px #45B100 }
```

Background

The CSS property to change the background color of an element to Hex 45B100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45B100 }
```

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

```
.background{ background-color:#45B100 }
```

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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