

Converting Colors

Hex(45AE02)

Have a look what the booklet for
Hex(45AE02) contains.

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Color

Hex(45AE02)

Conversions

Conversions Part 1

Format	Color
Hex	45AE02
RGB	69, 174, 2
RGB Percent	27%, 68%, 1%
CMY	0.7294, 0.3176, 0.9922
CMYK	0.60, 0.00, 0.99, 0.32
HSL	97°, 98%, 35%
HSV	97°, 99%, 68%
XYZ	17.6013, 31.5417, 5.2179
YIQ	122.9970, -7.3680, -75.7520

Conversions

Conversions Part 2

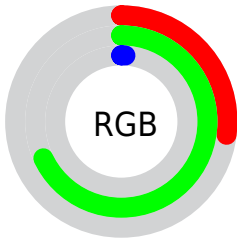
Format	Color
RYB	2, 174, 107
Decimal	4566530
CIELab	62.96, -55.36, 63.50
CIElCh	63, 84.240, 131.083
Yxy	31.5417, 0.3238, 0.5802
Android (android.graphics.Color)	4282756610 (0xFF45AE02)
YUV	122.9970, -59.6515, -47.3554
Hunter-Lab	56.1620, -42.3413, 33.8049

Details

The Hex color **45AE02** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6B02AE**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **82E64C**, and **007800** is the 20% darker color. If you saturate the color by 10%, you get **44AE00**, and if you desaturate by 10%, it is **50AE13**.

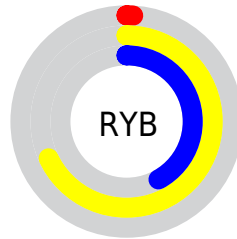
Distribution



Red (27%)

Green (68%)

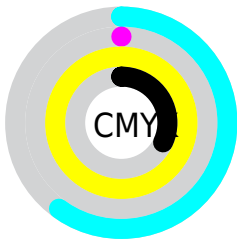
Blue (1%)



Red (1%)

Yellow (68%)

Blue (42%)

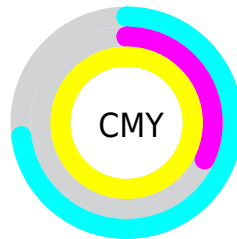


Cyan (60%)

Magenta (0%)

Yellow (99%)

Black (32%)



Cyan (73%)

Magenta (32%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45AE02 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 45AE02 by changing the saturation by 10% instead.



45AE02



45AE02

FFFFFF



209300



82E64C



007800



9FFF68



005F00



BDF84



004600



DBFFA0



003000



F9FFBC



001200



FFFFD9



000000



FFFFFF6



45AE02



45AE02

■ 44AE00

■ 50AE13

■ 5AAE25

■ 65AE36

■ 6FAE48

■ 7AAE59

■ 85AE6A

■ 8FAE7C

■ 9AAE8D

■ A5AE9F

Harmonies

Analogous

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



9E9E00



45AE02



00B664

Triad

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



45AE02



00AEFF



FF3B80

Complementary

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



45AE02



6B02AE

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.



FF4BCB



45AE02



0099FF

Square

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



45AE02



00B7FA



BC76FF



FF5D38

Rectangle

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



45AE02



00B999



BC76FF



FF3999

Sweetspot

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



45AE02



B9E39F



AE6902



5A7349



F2F2F2



737373

Same Dimension

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



45AE02



58E300



02AE13



51574E



3B9600



091700

Inverse Universe

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



6B02AE



8B00E3



AE029D



534E57



5C0096



0E0017

Previews

White Background



This preview shows how the Hex color 45AE02 looks on a white background.

Color Contrast Check

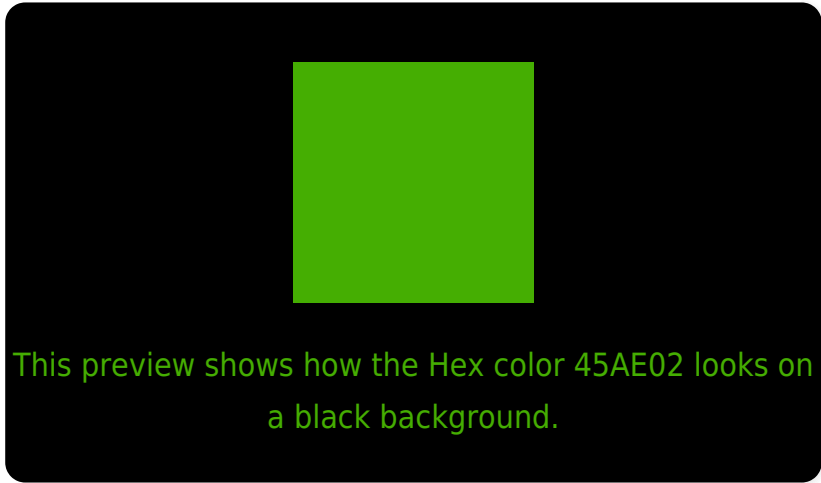
Large Text (above 18pt) WCAG AA × Fail

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 45AE02 Background



This preview shows how black text looks on a background with the Hex color 45AE02.

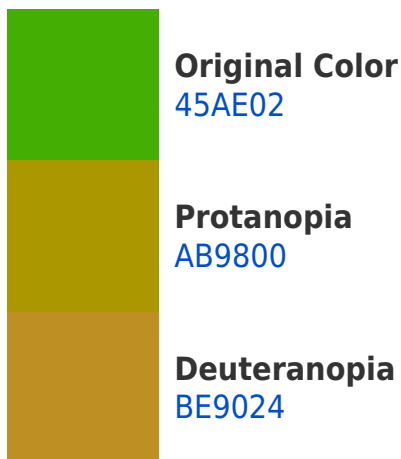


This preview shows how white text looks on a background with the Hex color 45AE02.

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
61A2AF

Trichromacy



Original Color
45AE02



Protanomaly
86A001



Deuteranomaly
929B18



Tritanomaly
57A670

Monochromacy



Original Color
45AE02



Achromatopsia
7B7B7B



Achromatomaly
678E4F

CSS Examples

Text

The CSS property to change the color of the text to Hex 45AE02 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 #45AE02 looks like.

```
.text, #text, p{  
    color:#45AE02  
}
```

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 #45AE02 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45AE02
}
```

Border

The CSS property to change the border of an element to Hex 45AE02 is called "border". The border property can be set on classes, ids or directly on the HTML element.

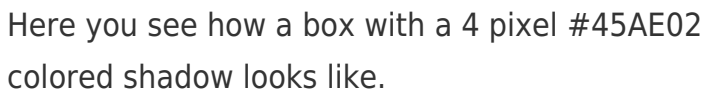
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#45AE02 }
```

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

```
.border{ border-color:#45AE02 }
```

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



Here you see how a box with a 4 pixel #45AE02 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45AE02; -webkit-box-shadow:4px 4px  
4px 4px #45AE02; box-shadow:4px 4px 4px  
4px #45AE02 }
```

Background

The CSS property to change the background color of an element to Hex 45AE02 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45AE02 }
```

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

```
.background{ background-color:#45AE02 }
```

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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