

# Converting Colors

Hex(3AA500)

Have a look what the booklet for  
Hex(3AA500) contains.

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**Color**

**Hex(3AA500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AA500
RGB	58, 165, 0
RGB Percent	23%, 65%, 0%
CMY	0.7725, 0.3529, 1.0000
CMYK	0.65, 0.00, 1.00, 0.35
HSL	99°, 100%, 32%
HSV	99°, 100%, 65%
XYZ	15.2001, 27.8098, 4.5667
YIQ	114.1970, -10.8070, -73.9990

# Conversions

## Conversions Part 2

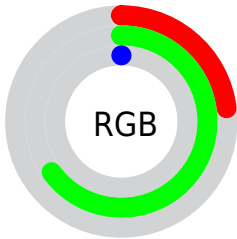
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	0, 165, 107
Decimal	3843328
CIE <sub>Lab</sub>	59.72, -54.97, 61.06
CIE <sub>LCh</sub>	60, 82.155, 131.995
Yxy	27.8098, 0.3195, 0.5845
Android (android.graphics.Color)	4282033408 (0xFF3AA500)
YUV	114.1970, -56.2991, -49.2848
Hunter-Lab	52.7350, -40.8364, 31.7802

# Details

The Hex color **3AA500** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6B00A5**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **78DD49**, and **007000** is the 20% darker color. If you saturate the color by 10%, you get **3AA500**, and if you desaturate by 10%, it is **45A510**.

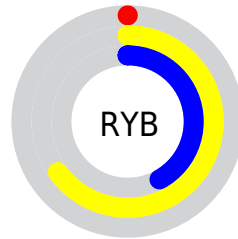
# Distribution



Red (23%)

Green (65%)

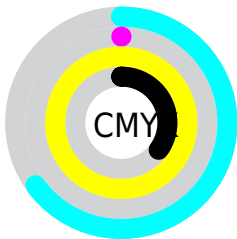
Blue (0%)



Red (0%)

Yellow (65%)

Blue (42%)

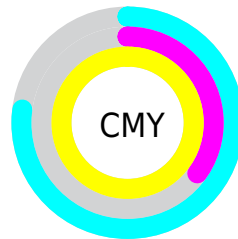


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (77%)

Magenta (35%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3AA500 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 3AA500 by changing the saturation by 10% instead.



 3AA500

 3AA500

FFFFFF

 0D8A00

 78DD49

 007000

 95FA65

 005600

 B2FF80

 003E00

 D0FF9C

 002700

 EEFFB8

 000000

 FFFFD5

 FFFFF2

 3AA500

 45A510

 4FA521

 5AA532

 65A542

 6FA552

 7AA563

 85A573

 90A584

 9AA594

# Harmonies

## Analogous

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



939600



3AA500



00AD60

# Triad

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



3AA500



00A4FF



FF3476

# Complementary

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



3AA500



6B00A5

# 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.



F943BE



3AA500



008FFF

# Square

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



3AA500



00ADF0



B56DFD



FC5730

# Rectangle

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



3AA500



00AF93



B56DFD



FF328E



# Sweetspot

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



3AA500



ADD696



A56800



526B45



EBEBEB



6B6B6B



# Same Dimension

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



3AA500



4BD600



00A516



4C5249



339100



061200



# Inverse Universe

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



6B00A5



8B00D6



A5008F



4F4952



5E0091



0C0012



# Previews

## White Background



This preview shows how the Hex color 3AA500 looks on a white background.

## Color Contrast Check

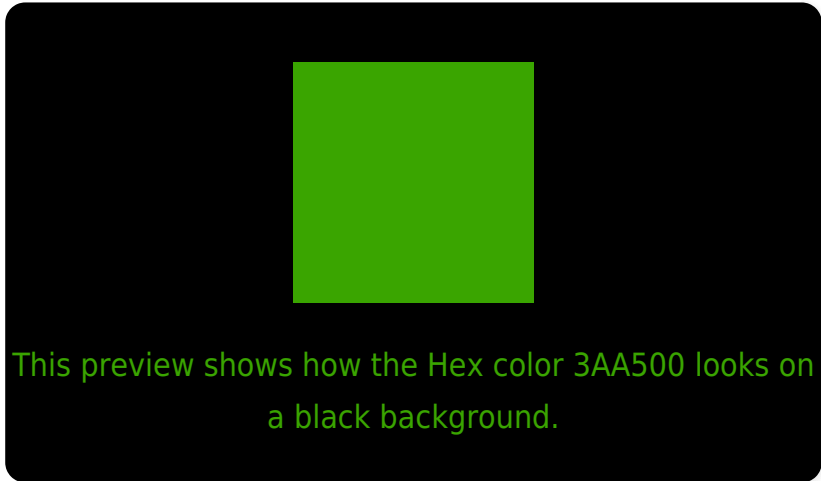
Large Text (above 18pt) WCAG AA ✓ Pass

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 3AA500 Background



This preview shows how black text looks on a background with the Hex color 3AA500.



This preview shows how white text looks on a background with the Hex color 3AA500.

# 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](#).

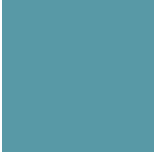
## Dichromacy



**Original Color**  
3AA500

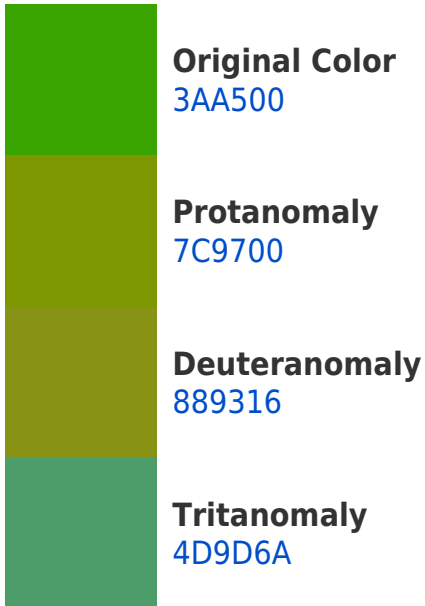
**Protanopia**  
A18F00

**Deuteranopia**  
B48823

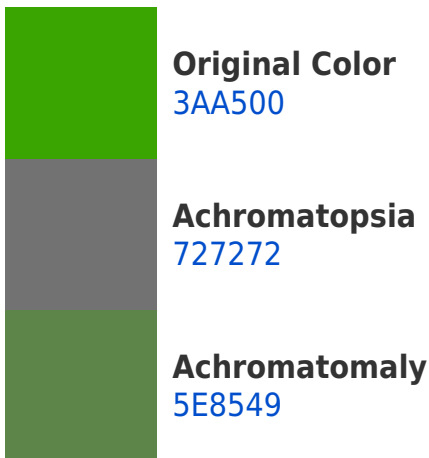


**Tritanopia**  
5899A6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3AA500 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 #3AA500 looks like.

```
.text, #text, p{  
    color:#3AA500  
}
```

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 #3AA500 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3AA500
}
```

## Border

The CSS property to change the border of an element to Hex 3AA500 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
#3AA500 }
```

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

```
.border{ border-color:#3AA500 }
```

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

Here you see how a box with a 4 pixel #3AA500 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3AA500; -webkit-box-shadow:4px 4px  
4px 4px #3AA500; box-shadow:4px 4px 4px  
4px #3AA500 }
```

# Background

The CSS property to change the background color of an element to Hex 3AA500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3AA500 }
```

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

```
.background{ background-color:#3AA500 }
```

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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