

# Converting Colors

Hex(3D4AAA)

Have a look what the booklet for  
Hex(3D4AAA) contains.

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# Color

**Hex(3D4AAA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D4AAA
RGB	61, 74, 170
RGB Percent	24%, 29%, 67%
CMY	0.7608, 0.7098, 0.3333
CMYK	0.64, 0.56, 0.00, 0.33
HSL	233°, 47%, 45%
HSV	233°, 64%, 67%
XYZ	11.6289, 8.7919, 39.1143
YIQ	81.0570, -38.5640, 27.1000

# Conversions

## Conversions Part 2

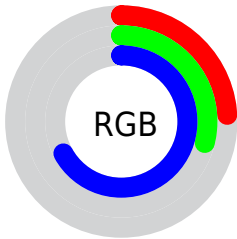
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	61, 73, 170
Decimal	4016810
CIE <sub>Lab</sub>	35.58, 25.89, -53.24
CIE <sub>LCh</sub>	36, 59.204, 295.932
Yxy	8.7919, 0.1953, 0.1477
Android (android.graphics.Color)	4282206890 (0xFF3D4AAA)
YUV	81.0570, 43.8489, -17.5900
Hunter-Lab	29.6512, 18.1166, -57.4564

# Details

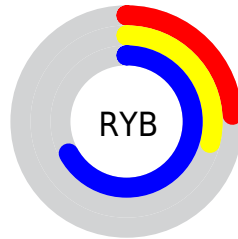
The Hex color **3D4AAA** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **AA9D3D**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **787AE2**, and **001F75** is the 20% darker color. If you saturate the color by 10%, you get **2C3BAA**, and if you desaturate by 10%, it is **4E59AA**.

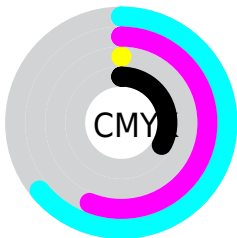
# Distribution



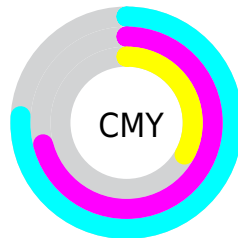
- Red (24%)
- Green (29%)
- Blue (67%)



- Red (24%)
- Yellow (29%)
- Blue (67%)



- Cyan (64%)
- Magenta (56%)
- Yellow (0%)
- Black (33%)



- Cyan (76%)
- Magenta (71%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D4AAA 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 3D4AAA by changing the saturation by 10% instead.



■ 3D4AAA

■ 3D4AAA

FFFFFF

■ 19348F

■ 787AE2

■ 001F75

■ 9494FF

■ 000B5C

■ B1AFFF

■ 000243

■ CECAFF

■ 00032C

■ EBE6FF

■ 000116

■ 000000

■ 3D4AAA

■ 3D4AAA

■ 2C3BAA

■ 4E59AA

■ 1B2CAA

■ 5F68AA

■ 0A1DAA

■ 7077AA

■ 0014AA

■ 8186AA

■ 9295AA

■ A3A4AA

■ B4B3AA

■ C5C2AA

■ D6D1AA

# Harmonies

## Analogous

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



005CB3



3D4AAA



852F8A

# Triad

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



3D4AAA



8E3A00



00674C

# Complementary

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



3D4AAA



AA9D3D

# 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.



006418



3D4AAA



6C5000

# Square

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



3D4AAA



A21D2E



3E5D00



00687C

# Rectangle

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



3D4AAA



9B196C



3E5D00



00663B



# Sweetspot

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



3D4AAA



B4B9DE



3DAA9B



565970



F0F0F0



707070



# Same Dimension

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



3D4AAA



3347DE



653DAA



4C4D54



001294



000214



# Inverse Universe

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



AA3D4A



DE3347



82AA3D



544C4D



940012



140002



# Previews

## White Background



This preview shows how the Hex color 3D4AAA looks on a white background.

## Color Contrast Check

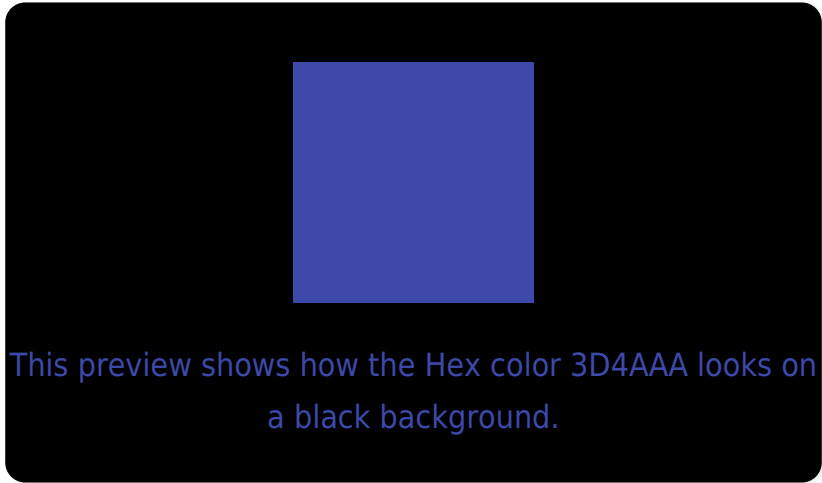
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

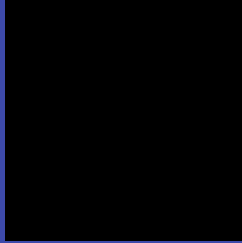
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3D4AAA Background



This preview shows how black text looks on a background with the Hex color 3D4AAA.

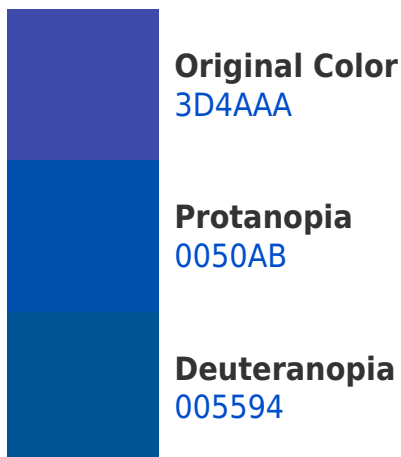


This preview shows how white text looks on a background with the Hex color 3D4AAA.

# 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





# Trichromacy



**Original Color**  
3D4AAA

**Protanomaly**  
164EAB

**Deuteranomaly**  
16519C

**Tritanomaly**  
1F557D

# Monochromacy



**Original Color**  
3D4AAA

**Achromatopsia**  
515151

**Achromatomaly**  
4A4E71

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D4AAA 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 #3D4AAA looks like.

```
.text, #text, p{  
    color:#3D4AAA  
}
```

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 #3D4AAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D4AAA
}
```

## Border

The CSS property to change the border of an element to Hex 3D4AAA 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
#3D4AAA }
```

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

```
.border{ border-color:#3D4AAA }
```

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

Here you see how a box with a 4 pixel #3D4AAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D4AAA; -webkit-box-shadow:4px 4px  
4px 4px #3D4AAA; box-shadow:4px 4px 4px  
4px #3D4AAA }
```

# Background

The CSS property to change the background color of an element to Hex 3D4AAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D4AAA }
```

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

```
.background{ background-color:#3D4AAA }
```

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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