

# Converting Colors

Hex(3A70AB)

Have a look what the booklet for  
Hex(3A70AB) contains.

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# Color

**Hex(3A70AB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3A70AB
RGB	58, 112, 171
RGB Percent	23%, 44%, 67%
CMY	0.7725, 0.5608, 0.3294
CMYK	0.66, 0.35, 0.00, 0.33
HSL	211°, 49%, 45%
HSV	211°, 66%, 67%
XYZ	14.8898, 15.4282, 40.7212
YIQ	102.5800, -51.1230, 6.9010

# Conversions

## Conversions Part 2

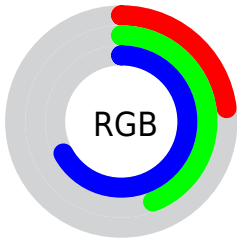
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 95, 171
Decimal	3829931
CIELab	46.22, 1.37, -36.83
CIELCh	46, 36.853, 272.129
Yxy	15.4282, 0.2096, 0.2172
Android (android.graphics.Color)	4282020011 (0xFF3A70AB)
YUV	102.5800, 33.7311, -39.0967
Hunter-Lab	39.2787, -1.0719, -33.9724

# Details

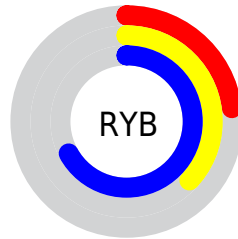
The Hex color **3A70AB** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **AB753A**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **74A3E3**, and **004176** is the 20% darker color. If you saturate the color by 10%, you get **2967AB**, and if you desaturate by 10%, it is **4B79AB**.

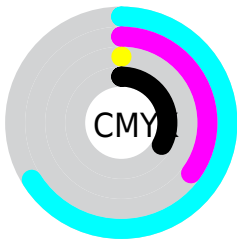
# Distribution



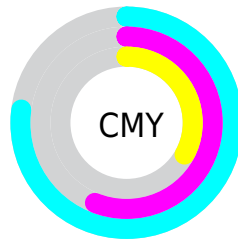
- Red (23%)
- Green (44%)
- Blue (67%)



- Red (23%)
- Yellow (37%)
- Blue (67%)



- Cyan (66%)
- Magenta (35%)
- Yellow (0%)
- Black (33%)



- Cyan (77%)
- Magenta (56%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3A70AB 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 3A70AB by changing the saturation by 10% instead.



■ 3A70AB

■ 3A70AB

FFFFFF

■ 155890

■ 74A3E3

■ 004176

■ 91BEFF

■ 002B5D

■ ADDAFF

■ 001745

■ CAF7FF

■ 00042F

■ E8FFFF

■ 000119

■ 000000

■ 3A70AB

■ 3A70AB

■ 2967AB

■ 4B79AB

■ 185EAB

■ 5C82AB

■ 0755AB

■ 6D8BAB

■ 0052AB

■ 7E94AB

■ 8F9DAB

■ A1A6AB

■ B2AEAB

■ C3B7AB

■ D4C0AB

# Harmonies

## Analogous

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



0078A3



3A70AB



7265A2

# Triad

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



3A70AB



A5574E



357B4F

# Complementary

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



3A70AB



AB753A

# 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.



5E7537



3A70AB



976137

# Square

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



3A70AB



A6536C



7E6D2E



007D6F

# Rectangle

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



3A70AB



8C5D94



7E6D2E



447946



# Sweetspot

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



3A70AB



B1C7DE



3AAB74



556270



F0F0F0



707070



# Same Dimension

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



3A70AB



2F82DE



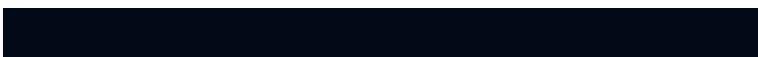
3C3AAB



4E5257



004896



000B17



# Inverse Universe

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



AB3A70



DE2F82



A9AB3A



574E52



960048



17000B



# Previews

## White Background



This preview shows how the Hex color 3A70AB looks on a white background.

## Color Contrast Check

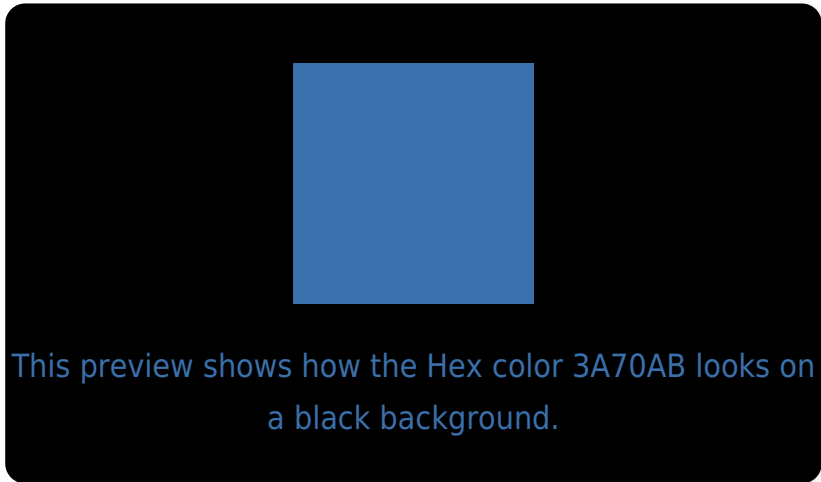
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

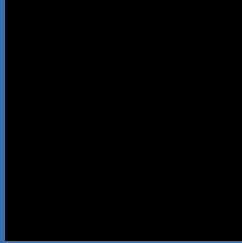
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3A70AB Background



This preview shows how black text looks on a background with the Hex color 3A70AB.

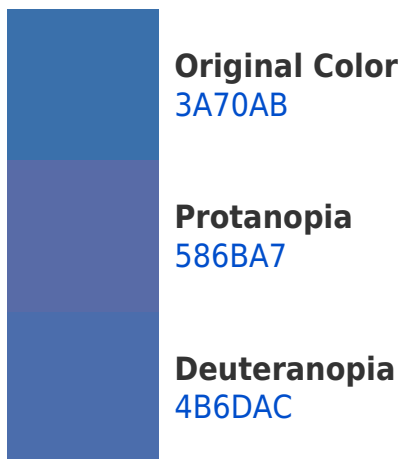


This preview shows how white text looks on a background with the Hex color 3A70AB.

# Color Blindness Simulation

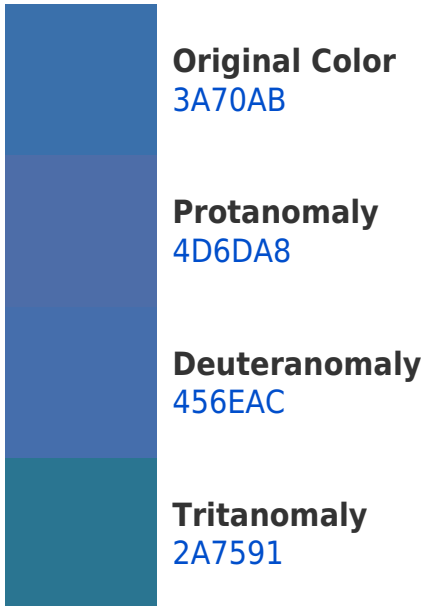
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

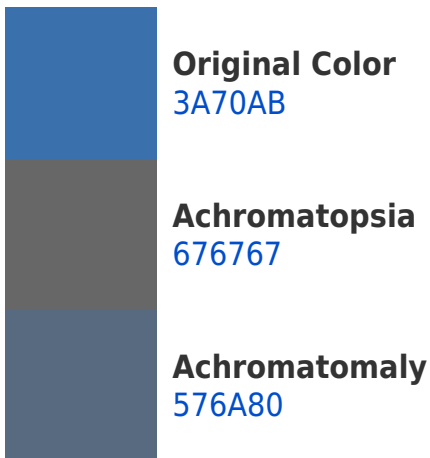




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3A70AB 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 #3A70AB looks like.

```
.text, #text, p{  
    color:#3A70AB  
}
```

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 #3A70AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A70AB
}
```

## Border

The CSS property to change the border of an element to Hex 3A70AB 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
#3A70AB }
```

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

```
.border{ border-color:#3A70AB }
```

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

Here you see how a box with a 4 pixel #3A70AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A70AB; -webkit-box-shadow:4px 4px  
4px 4px #3A70AB; box-shadow:4px 4px 4px  
4px #3A70AB }
```

# Background

The CSS property to change the background color of an element to Hex 3A70AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A70AB }
```

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

```
.background{ background-color:#3A70AB }
```

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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