

# Converting Colors

Hex(116AAD)

Have a look what the booklet for  
Hex(116AAD) contains.

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# Color

**Hex(116AAD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	116AAD
RGB	17, 106, 173
RGB Percent	7%, 42%, 68%
CMY	0.9333, 0.5843, 0.3216
CMYK	0.90, 0.39, 0.00, 0.32
HSL	206°, 82%, 37%
HSV	206°, 90%, 68%
XYZ	12.9280, 13.4444, 41.4488
YIQ	87.0270, -74.5510, 1.9690

# Conversions

## Conversions Part 2

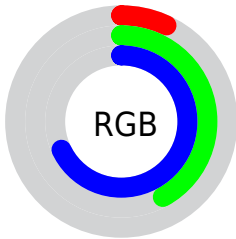
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	17, 74, 173
Decimal	1141421
CIE Lab	43.43, 1.00, -42.49
CIE LCh	43, 42.503, 271.342
Yxy	13.4444, 0.1906, 0.1982
Android (android.graphics.Color)	4279331501 (0xFF116AAD)
YUV	87.0270, 42.3847, -61.4137
Hunter-Lab	36.6666, -1.2303, -41.3563

# Details

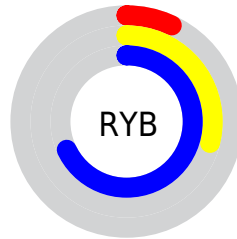
The Hex color **116AAD** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **AD5411**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **5E9DE5**, and **003C78** is the 20% darker color. If you saturate the color by 10%, you get **0063AD**, and if you desaturate by 10%, it is **2271AD**.

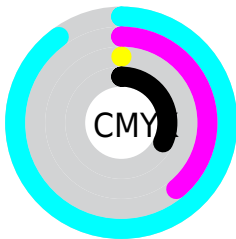
# Distribution



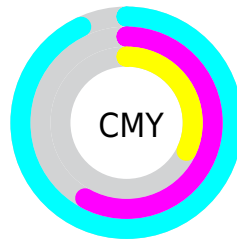
- Red (7%)
- Green (42%)
- Blue (68%)



- Red (7%)
- Yellow (29%)
- Blue (68%)



- Cyan (90%)
- Magenta (39%)
- Yellow (0%)
- Black (32%)



- Cyan (93%)
- Magenta (58%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 116AAD 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 116AAD by changing the saturation by 10% instead.



■ 116AAD

■ 116AAD

FFFFFF

■ 005292

■ 5E9DE5

■ 003C78

■ 7CB8FF

■ 00265F

■ 99D3FF

■ 001247

■ B7EFFF

■ 000430

■ D5FFFF

■ 00011A

■ F3FFFF

■ 000000

■ 116AAD

■ 116AAD

■ 0063AD

■ 2271AD

■ 3479AD

■ 4580AD

■ 5688AD

■ 688FAD

■ 7997AD

■ 8A9EAD

■ 9BA5AD

■ ADADAD

# Harmonies

## Analogous

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



0073A4



116AAD



6A5DA3

# Triad

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



116AAD



A54B44



207543

# Complementary

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



116AAD



AD5411

# 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.



546F26



116AAD



945828

# Square

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



116AAD



A54666



78651A



007867

# Rectangle

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



116AAD



885393



78651A



367338



# Sweetspot

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



116AAD



A4C6E0



11AD52



4C6170



F0F0F0



707070



# Same Dimension

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



116AAD



0080E0



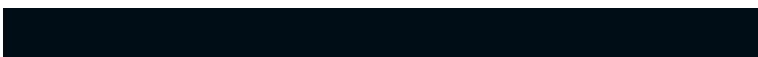
111EAD



4E5357



005696



000D17



# Inverse Universe

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



AD116A



E00080



ADA011



574E53



960056



17000D



# Previews

## White Background



This preview shows how the Hex color 116AAD looks on a white background.

### Color Contrast Check

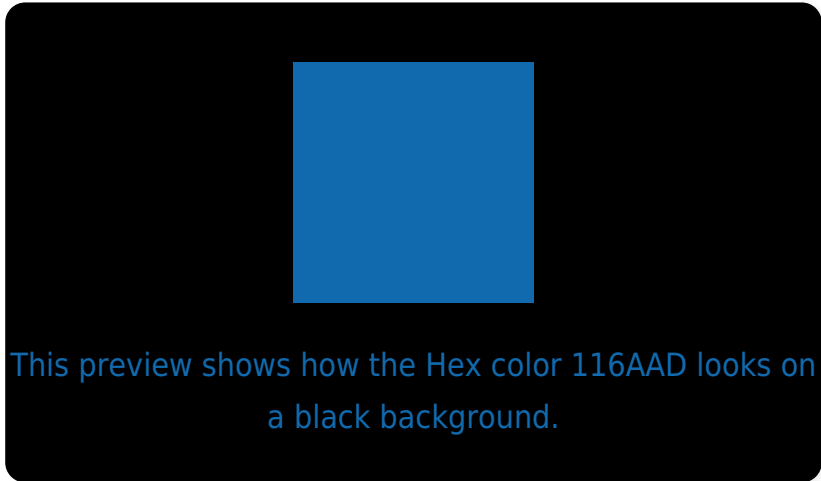
Large Text (above 18pt) WCAG AA ✓ Pass

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

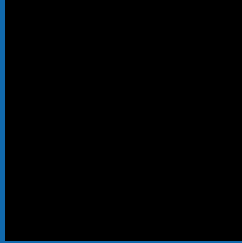
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 116AAD Background



This preview shows how black text looks on a background with the Hex color 116AAD.

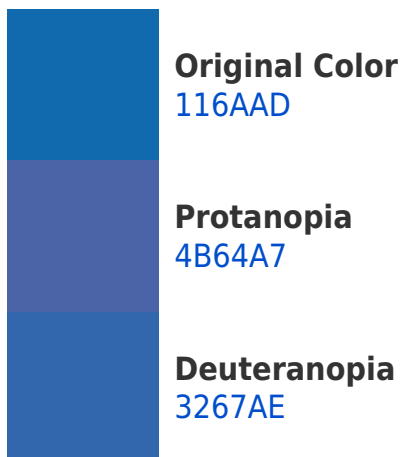


This preview shows how white text looks on a background with the Hex color 116AAD.

# 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](#).

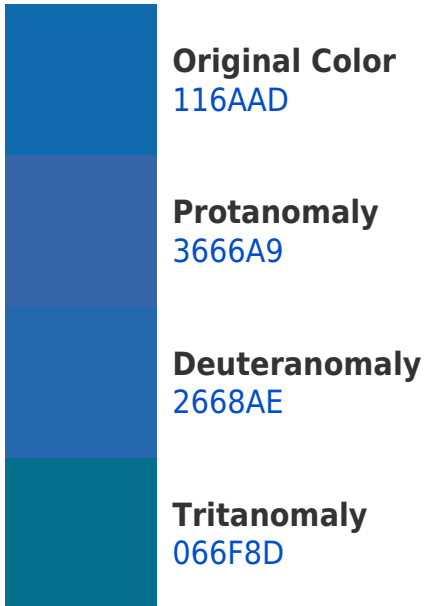
## Dichromacy



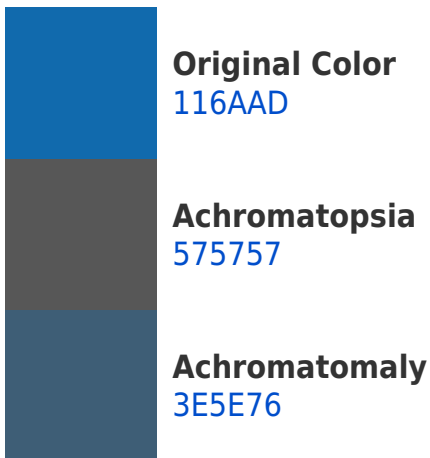


**Tritanopia**  
00727A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 116AAD 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 #116AAD looks like.

```
.text, #text, p{  
    color:#116AAD  
}
```

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 #116AAD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #116AAD
}
```

## Border

The CSS property to change the border of an element to Hex 116AAD 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
#116AAD }
```

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

```
.border{ border-color:#116AAD }
```

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

Here you see how a box with a 4 pixel #116AAD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #116AAD; -webkit-box-shadow:4px 4px  
4px 4px #116AAD; box-shadow:4px 4px 4px  
4px #116AAD }
```

# Background

The CSS property to change the background color of an element to Hex 116AAD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#116AAD }
```

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

```
.background{ background-color:#116AAD }
```

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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