

# Converting Colors

Hex(124AAD)

Have a look what the booklet for  
Hex(124AAD) contains.

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# Color

**Hex(124AAD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	124AAD
RGB	18, 74, 173
RGB Percent	7%, 29%, 68%
CMY	0.9294, 0.7098, 0.3216
CMYK	0.90, 0.57, 0.00, 0.32
HSL	218°, 81%, 37%
HSV	218°, 90%, 68%
XYZ	10.2411, 8.0433, 40.5479
YIQ	68.5420, -65.1550, 18.9170

# Conversions

## Conversions Part 2

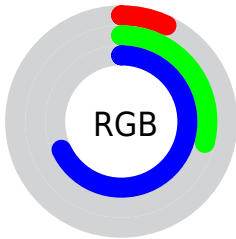
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 59, 173
Decimal	1198765
CIE <sub>Lab</sub>	34.07, 22.09, -57.56
CIE <sub>LCh</sub>	34, 61.653, 290.999
Yxy	8.0433, 0.1741, 0.1367
Android (android.graphics.Color)	4279388845 (0xFF124AAD)
YUV	68.5420, 51.4978, -44.3253
Hunter-Lab	28.3607, 14.8252, -64.9158

# Details

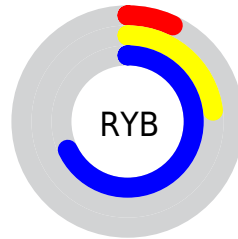
The Hex color **124AAD** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **AD7512**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **5F7AE5**, and **002078** is the 20% darker color. If you saturate the color by 10%, you get **013FAD**, and if you desaturate by 10%, it is **2355AD**.

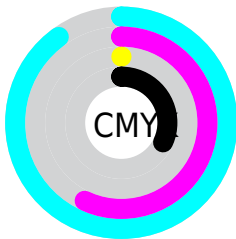
# Distribution



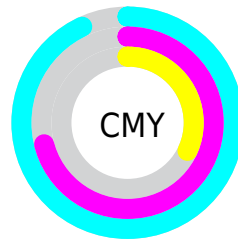
- Red (7%)
- Green (29%)
- Blue (68%)



- Red (7%)
- Yellow (23%)
- Blue (68%)



- Cyan (90%)
- Magenta (57%)
- Yellow (0%)
- Black (32%)



- Cyan (93%)
- Magenta (71%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 124AAD 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 124AAD by changing the saturation by 10% instead.



■ 124AAD

■ 124AAD

FFFFFF

■ 003492

■ 5F7AE5

■ 002078

■ 7D94FF

■ 000B5E

■ 9BAEFF

■ 000846

■ B9C9FF

■ 00042E

■ D7E5FF

■ 000119

■ F5FFFF

■ 000000

■ 124AAD

■ 124AAD

■ 013FAD

■ 2355AD

■ 003FAD

■ 3560AD

■ 466BAD

■ 5776AD

■ 6981AD

■ 7A8CAD

■ 8B97AD

■ 9CA2AD

■ AEADAD

# Harmonies

## Analogous

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



005BB2



124AAD



7A2E8F

# Triad

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



124AAD



903000



00633F

# Complementary

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



124AAD



AD7512

# 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.



006003



124AAD



6F4900

# Square

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



124AAD



A20631



425800



006572

# Rectangle

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



124AAD



951271



425800



00632E



# Sweetspot

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



124AAD



A4BAE0



12AD74



4C5970



F0F0F0



707070



# Same Dimension

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



124AAD



0051E0



2712AD



4E5157



003696



000817



# Inverse Universe

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



AD124A



E00051



98AD12



574E51



960036



170008



# Previews

## White Background



This preview shows how the Hex color 124AAD looks on a white background.

### Color Contrast Check

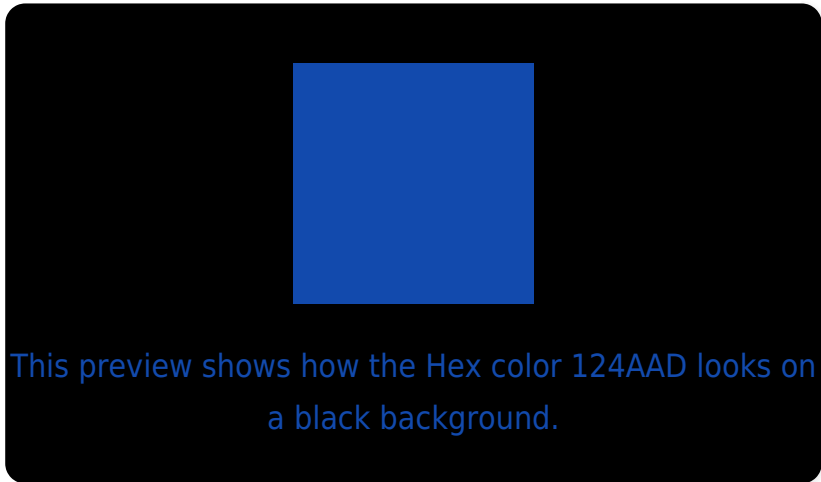
Large Text (above 18pt) WCAG AA ✓ Pass

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

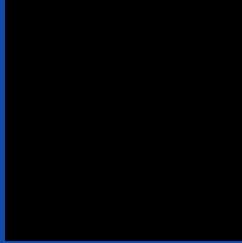
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 124AAD Background



This preview shows how black text looks on a background with the Hex color 124AAD.



This preview shows how white text looks on a background with the Hex color 124AAD.

# 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**  
124AAD

**Protanopia**  
004DA3

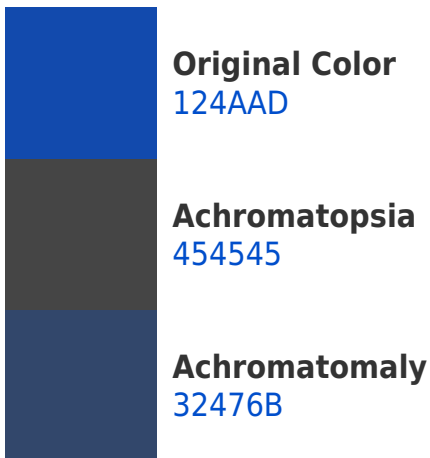
**Deuteranopia**  
00528D



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 124AAD 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 #124AAD looks like.

```
.text, #text, p{  
    color:#124AAD  
}
```

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 #124AAD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #124AAD
}
```

## Border

The CSS property to change the border of an element to Hex 124AAD 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
#124AAD }
```

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

```
.border{ border-color:#124AAD }
```

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

Here you see how a box with a 4 pixel #124AAD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #124AAD; -webkit-box-shadow:4px 4px  
4px 4px #124AAD; box-shadow:4px 4px 4px  
4px #124AAD }
```

# Background

The CSS property to change the background color of an element to Hex 124AAD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#124AAD }
```

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

```
.background{ background-color:#124AAD }
```

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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