

# Converting Colors

Hex(1236AC)

Have a look what the booklet for  
Hex(1236AC) contains.

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# Color

Hex(1236AC)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1236AC
RGB	18, 54, 172
RGB Percent	7%, 21%, 67%
CMY	0.9294, 0.7882, 0.3255
CMYK	0.90, 0.69, 0.00, 0.33
HSL	226°, 81%, 37%
HSV	226°, 90%, 67%
XYZ	9.0150, 5.7455, 39.6636
YIQ	56.6880, -59.3340, 29.0660

# Conversions

## Conversions Part 2

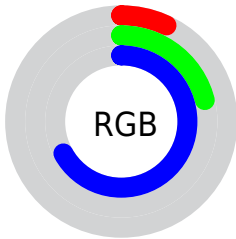
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	18, 47, 172
Decimal	1193644
CIE Lab	28.76, 35.09, -65.66
CIE LCh	29, 74.450, 298.118
Yxy	5.7455, 0.1656, 0.1056
Android (android.graphics.Color)	4279383724 (0xFF1236AC)
YUV	56.6880, 56.8488, -33.9294
Hunter-Lab	23.9698, 25.1867, -81.3304

# Details

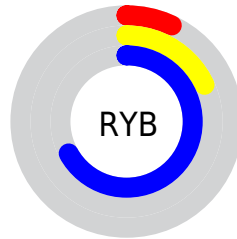
The Hex color **1236AC** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **AC8812**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **6165E5**, and **000E76** is the 20% darker color. If you saturate the color by 10%, you get **0129AC**, and if you desaturate by 10%, it is **2343AC**.

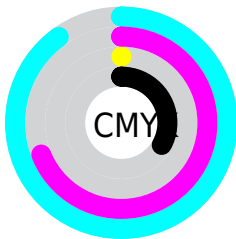
# Distribution



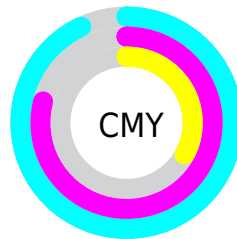
- Red (7%)
- Green (21%)
- Blue (67%)



- Red (7%)
- Yellow (18%)
- Blue (67%)



- Cyan (90%)
- Magenta (69%)
- Yellow (0%)
- Black (33%)



- Cyan (93%)
- Magenta (79%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1236AC 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 1236AC by changing the saturation by 10% instead.



■ 1236AC

FFFFFF

■ 6165E5

■ 7F7EFF

■ 9D98FF

■ BBB2FF

■ D9CEFF

■ F7EAFF

■ 1236AC

■ 0129AC

■ 1236AC

■ 002191

■ 000E76

■ 00005D

■ 000844

■ 00032D

■ 000117

■ 000000

■ 1236AC

■ 2343AC

■ 0028AC

■ 3450AC

■ 465EAC

■ 576BAC

■ 6878AC

■ 7985AC

■ 8A92AC

■ 9C9FAC

■ ADADAC

# Harmonies

## Analogous

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



004EBA



1236AC



810082

# Triad

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



1236AC



812100



00583F

# Complementary

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



1236AC



AC8812

# 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.



005600



1236AC



574100

# Square

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



1236AC



9C0013



174F00



005979

# Rectangle

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



1236AC



99005D



174F00



00572A



# Sweetspot

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



1236AC



A4B2E0



12AC86



4C5570



F0F0F0



707070



# Same Dimension

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



1236AC



0034E0



3812AC



4E5057



002396



000517



# Inverse Universe

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



AC1236



E00034



86AC12



574E50



960023

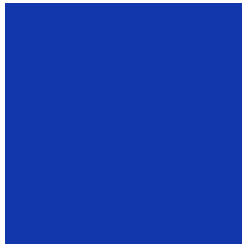


170005



# Previews

## White Background



This preview shows how the Hex color 1236AC looks on a white background.

## Color Contrast Check

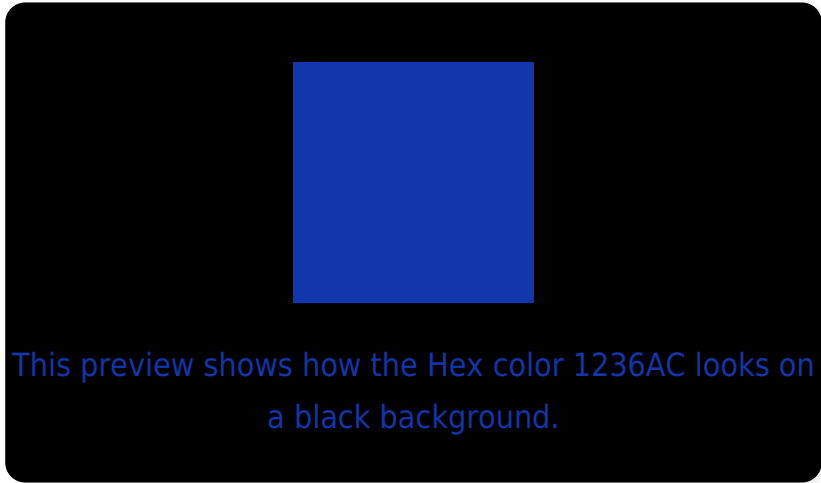
Large Text (above 18pt) WCAG AA ✓ Pass

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

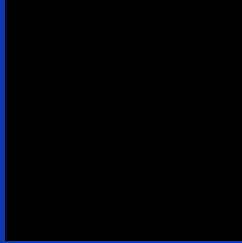
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1236AC Background



This preview shows how black text looks on a background with the Hex color 1236AC.

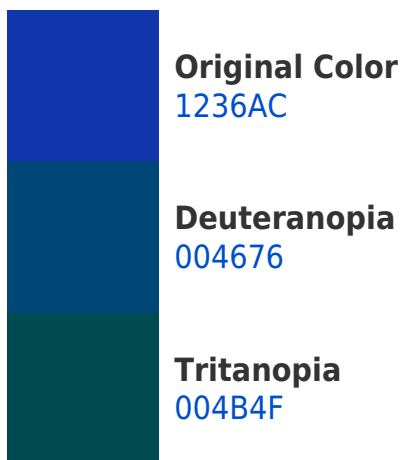


This preview shows how white text looks on a background with the Hex color 1236AC.

# 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**  
1236AC

**Deuteranomaly**  
07408A

**Tritanomaly**  
074371

# Monochromacy



**Original Color**  
1236AC

**Achromatopsia**  
393939

**Achromatomaly**  
2B3863

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1236AC 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 #1236AC looks like.

```
.text, #text, p{  
    color:#1236AC  
}
```

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 #1236AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1236AC
}
```

## Border

The CSS property to change the border of an element to Hex 1236AC 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
#1236AC }
```

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

```
.border{ border-color:#1236AC }
```

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

Here you see how a box with a 4 pixel #1236AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1236AC; -webkit-box-shadow:4px 4px  
4px 4px #1236AC; box-shadow:4px 4px 4px  
4px #1236AC }
```

# Background

The CSS property to change the background color of an element to Hex 1236AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1236AC }
```

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

```
.background{ background-color:#1236AC }
```

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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