

# Converting Colors

Hex(936EA4)

Have a look what the booklet for  
Hex(936EA4) contains.

<b>Hex(936EA4)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(936EA4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	936EA4
RGB	147, 110, 164
RGB Percent	58%, 43%, 64%
CMY	0.4235, 0.5686, 0.3569
CMYK	0.10, 0.33, 0.00, 0.36
HSL	281°, 23%, 54%
HSV	281°, 33%, 64%
XYZ	24.3094, 20.0352, 37.7079
YIQ	127.2190, 4.7180, 24.6380

# Conversions

## Conversions Part 2

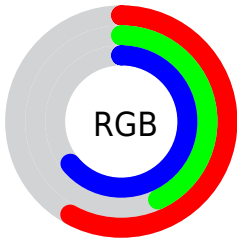
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 110, 164
Decimal	9662116
CIE <sub>Lab</sub>	51.88, 24.81, -23.42
CIE <sub>LCh</sub>	52, 34.117, 316.648
Yxy	20.0352, 0.2963, 0.2442
Android (android.graphics.Color)	4287852196 (0xFF936EA4)
YUV	127.2190, 18.1330, 17.3479
Hunter-Lab	44.7607, 18.6114, -18.6153

# Details

The Hex color **936EA4** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **7FA46E**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **CAA2DB**, and **5F3E70** is the 20% darker color. If you saturate the color by 10%, you get **8E5EA4**, and if you desaturate by 10%, it is **987EA4**.

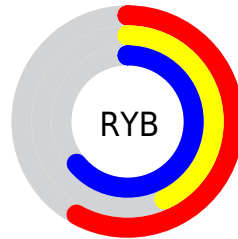
# Distribution



Red (58%)

Green (43%)

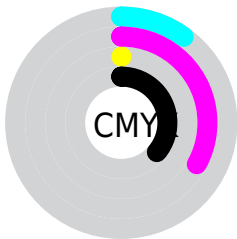
Blue (64%)



Red (58%)

Yellow (43%)

Blue (64%)

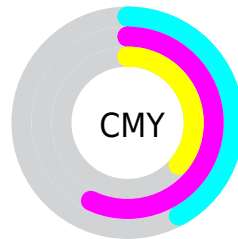


Cyan (10%)

Magenta (33%)

Yellow (0%)

Black (36%)



Cyan (42%)

Magenta (57%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 936EA4 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 936EA4 by changing the saturation by 10% instead.



936EA4

936EA4

FFFFFF

79558A

CAA2DB

5F3E70

E6BDF8

472757

FFD9FF

2F1140

FFF6FF

1D002A

000114

000000

936EA4

936EA4

8E5EA4

987EA4

894DA4

9D8FA4

843DA4

A29FA4

7E2CA4

A8B0A4

791CA4

ADC0A4

740CA4

B2D0A4

7000A4

B7E1A4

BCF1A4

C1FFA4

# Harmonies

## Analogous

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



6A79B4



936EA4



AC668A

# Triad

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



936EA4



997543



008B8B

# Complementary

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



936EA4



7FA46E

# 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.



348A6D



936EA4



7E7F42

# Square

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



936EA4



AD6B52



5D8652



0089A5

# Rectangle

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



936EA4



B36476



5D8652



008B81



# Sweetspot

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



936EA4



CFC1D6



6E7FA4



675E6B



EBEBEB



6B6B6B



# Same Dimension

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



936EA4



BB81D6



A46E9A



4F4952



640091



0C0012



# Inverse Universe

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



A46E7F



D6819B



6EA478



52494C



91002E

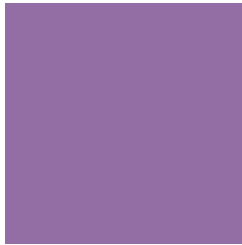


120006



# Previews

## White Background



This preview shows how the Hex color 936EA4 looks on a white background.

## Color Contrast Check

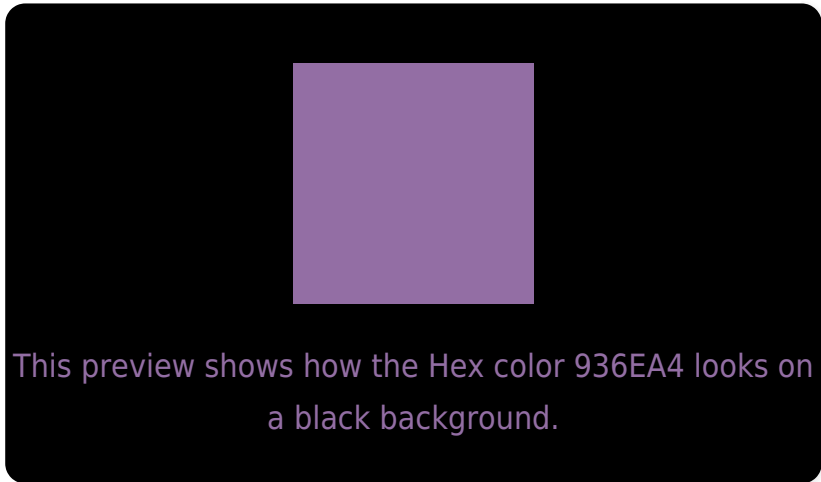
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

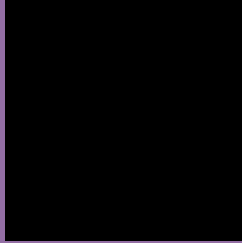
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 936EA4 Background



This preview shows how black text looks on a background with the Hex color 936EA4.



This preview shows how white text looks on a background with the Hex color 936EA4.

# 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**  
936EA4

**Protanopia**  
6C7AAD

**Deuteranopia**  
747AA2



**Tritanopia**  
8D757F

# Trichromacy



**Original Color**  
936EA4

**Protanomaly**  
7A76AA

**Deuteranomaly**  
7F76A3

**Tritanomaly**  
8F728C

# Monochromacy



**Original Color**  
936EA4

**Achromatopsia**  
7F7F7F

**Achromatomaly**  
86798C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 936EA4 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 #936EA4 looks like.

```
.text, #text, p{  
    color:#936EA4  
}
```

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 #936EA4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #936EA4
}
```

## Border

The CSS property to change the border of an element to Hex 936EA4 is called "border". The border property can be set on classes, ids or directly on the HTML element.

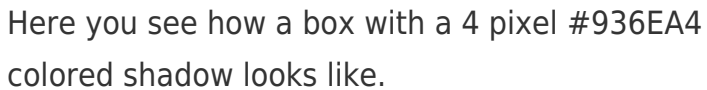
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#936EA4 }
```

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

```
.border{ border-color:#936EA4 }
```

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



Here you see how a box with a 4 pixel #936EA4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #936EA4; -webkit-box-shadow:4px 4px  
4px 4px #936EA4; box-shadow:4px 4px 4px  
4px #936EA4 }
```

# Background

The CSS property to change the background color of an element to Hex 936EA4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#936EA4 }
```

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

```
.background{ background-color:#936EA4 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor