

# Converting Colors

Hex(004EAD)

Have a look what the booklet for  
Hex(004EAD) contains.

<b>Hex(004EAD)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(004EAD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004EAD
RGB	0, 78, 173
RGB Percent	0%, 31%, 68%
CMY	1.0000, 0.6941, 0.3216
CMYK	1.00, 0.55, 0.00, 0.32
HSL	213°, 100%, 34%
HSV	213°, 100%, 68%
XYZ	10.2672, 8.4659, 40.6281
YIQ	65.5080, -76.9830, 13.0090

# Conversions

## Conversions Part 2

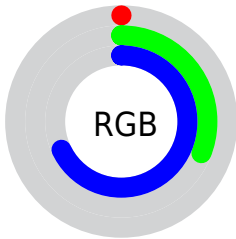
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 54, 173
Decimal	20141
CIELab	34.93, 18.58, -56.17
CIELCh	35, 59.160, 288.304
Yxy	8.4659, 0.1730, 0.1426
Android (android.graphics.Color)	4278210221 (0xFF004EAD)
YUV	65.5080, 52.9936, -57.4505
Hunter-Lab	29.0962, 12.0690, -62.4214

# Details

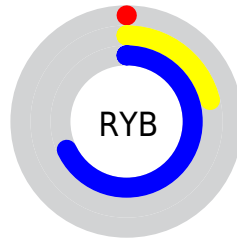
The Hex color **004EAD** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **AD5F00**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **5A7EE5**, and **002378** is the 20% darker color. If you saturate the color by 10%, you get **004EAD**, and if you desaturate by 10%, it is **1158AD**.

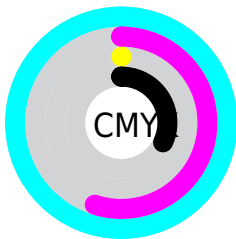
# Distribution



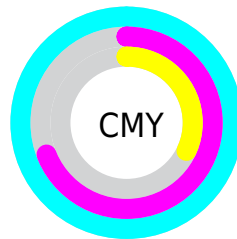
- Red (0%)
- Green (31%)
- Blue (68%)



- Red (0%)
- Yellow (21%)
- Blue (68%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (69%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004EAD 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 004EAD by changing the saturation by 10% instead.



■ 004EAD

■ 004EAD

FFFFFF

■ 003892

■ 5A7EE5

■ 002378

■ 7998FF

■ 00105E

■ 97B3FF

■ 000846

■ B5CEFF

■ 00042E

■ D2EAFF

■ 000119

■ F1FFFF

■ 000000

■ 004EAD

■ 1158AD

■ 2361AD

■ 346BAD

■ 4574AD

■ 577EAD

■ 6887AD

■ 7991AD

■ 8A9AAD

■ 9CA4AD

# Harmonies

## Analogous

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



005DB0



004EAD



763592

# Triad

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



004EAD



933207



00653D

# Complementary

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



004EAD



AD5F00

# 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.



006105



004EAD



744900

# Square

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



004EAD



A31238



4A5900



00666F

# Rectangle

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



004EAD



931F76



4A5900



00642D



# Sweetspot

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



004EAD



9DBBE0



00AD5C



485A70



F0F0F0



707070



# Same Dimension

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



004EAD



0065E0



0600AD



4E5257



004496



000A17



# Inverse Universe

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



AD004E



E00065



A7AD00



574E52



960044



17000A



# Previews

## White Background



This preview shows how the Hex color 004EAD looks on a white background.

## Color Contrast Check

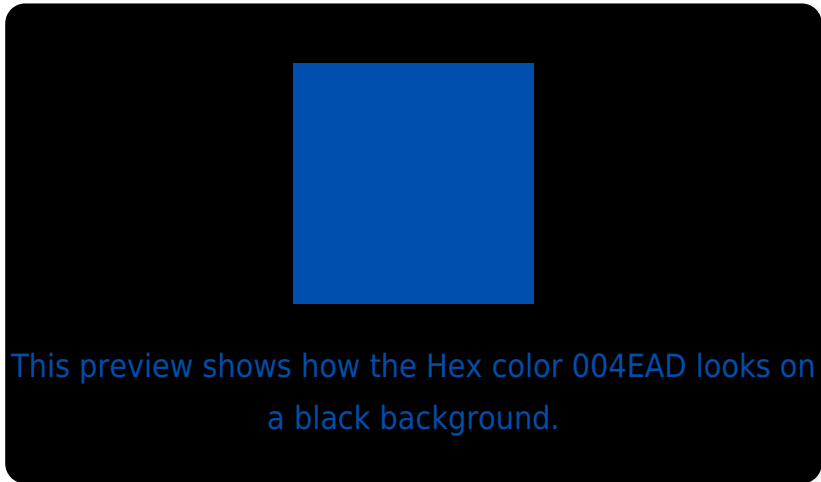
Large Text (above 18pt) WCAG AA ✓ Pass

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

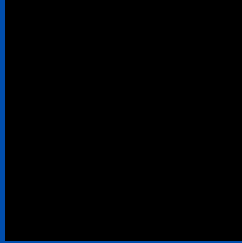
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004EAD Background



This preview shows how black text looks on a background with the Hex color 004EAD.



This preview shows how white text looks on a background with the Hex color 004EAD.

# 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**

004EAD

**Protanopia**

004FA8

**Deuteranopia**

005491



**Tritanopia**  
005B61

# Trichromacy



**Original Color**  
004EAD

**Protanomaly**  
004FAA

**Deuteranomaly**  
00529B

**Tritanomaly**  
00567D

# Monochromacy



**Original Color**  
004EAD

**Achromatopsia**  
424242

**Achromatomaly**  
2A4669

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004EAD 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 #004EAD looks like.

```
.text, #text, p{  
    color:#004EAD  
}
```

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 #004EAD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004EAD
}
```

## Border

The CSS property to change the border of an element to Hex 004EAD 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
#004EAD }
```

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

```
.border{ border-color:#004EAD }
```

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

Here you see how a box with a 4 pixel #004EAD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004EAD; -webkit-box-shadow:4px 4px  
4px 4px #004EAD; box-shadow:4px 4px 4px  
4px #004EAD }
```

# Background

The CSS property to change the background color of an element to Hex 004EAD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004EAD }
```

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

```
.background{ background-color:#004EAD }
```

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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