

# Converting Colors

Hex(0055AD)

Have a look what the booklet for  
Hex(0055AD) contains.

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# Color

**Hex(0055AD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0055AD
RGB	0, 85, 173
RGB Percent	0%, 33%, 68%
CMY	1.0000, 0.6667, 0.3216
CMYK	1.00, 0.51, 0.00, 0.32
HSL	211°, 100%, 34%
HSV	211°, 100%, 68%
XYZ	10.7913, 9.5141, 40.8028
YIQ	69.6170, -78.9080, 9.3480

# Conversions

## Conversions Part 2

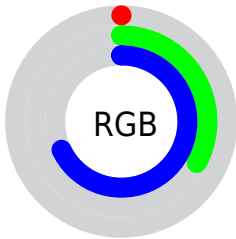
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 57, 173
Decimal	21933
CIELab	36.96, 13.85, -52.89
CIELCh	37, 54.673, 284.678
Yxy	9.5141, 0.1766, 0.1557
Android (android.graphics.Color)	4278212013 (0xFF0055AD)
YUV	69.6170, 50.9678, -61.0541
Hunter-Lab	30.8450, 8.4707, -56.8394

# Details

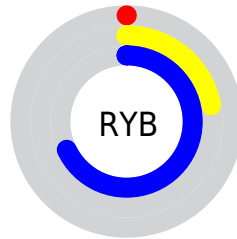
The Hex color **0055AD** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **AD5800**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **5A86E5**, and **002978** is the 20% darker color. If you saturate the color by 10%, you get **0055AD**, and if you desaturate by 10%, it is **115EAD**.

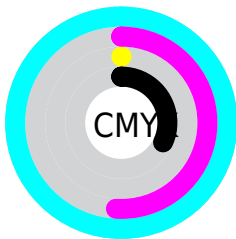
# Distribution



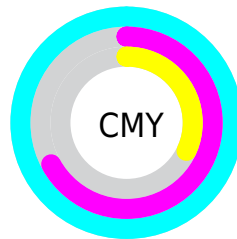
- Red (0%)
- Green (33%)
- Blue (68%)



- Red (0%)
- Yellow (22%)
- Blue (68%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (67%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0055AD 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 0055AD by changing the saturation by 10% instead.



0055AD

0055AD

FFFFFF

003E92

5A86E5

002978

79A0FF

00175E

96BBFF

000746

B4D6FF

00042F

D2F3FF

000119

F0FFFF

000000

0055AD

115EAD

■ 2367AD

■ 346FAD

■ 4578AD

■ 5781AD

■ 688AAD

■ 7993AD

■ 8A9BAD

■ 9CA4AD

# Harmonies

## Analogous

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



0062AC



0055AD



734096

# Triad

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



0055AD



983719



00693E

# Complementary

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



0055AD



AD5800

# 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.



1D650E



0055AD



7C4D00

# Square

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



0055AD



A42443



565C00



006A6C

# Rectangle

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



0055AD



90307D



565C00



00682F



# Sweetspot

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



0055AD



9DBEE0



00AD57



485C70



F0F0F0



707070



# Same Dimension

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



0055AD



006EE0



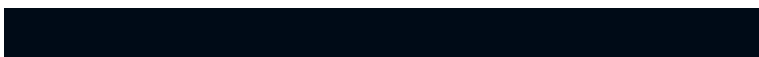
0000AD



4E5257



004A96



000B17



# Inverse Universe

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



AD0055



E0006E



ADAD00



574E52



96004A



17000B



# Previews

## White Background



This preview shows how the Hex color 0055AD looks on a white background.

## Color Contrast Check

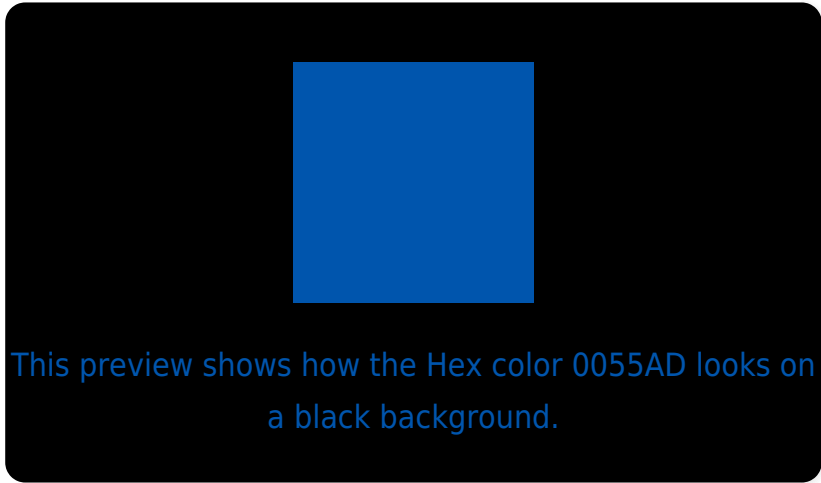
Large Text (above 18pt) WCAG AA ✓ Pass

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

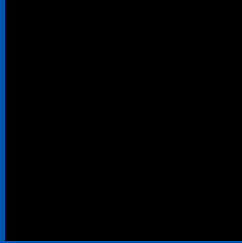
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0055AD Background



This preview shows how black text looks on a background with the Hex color 0055AD.



This preview shows how white text looks on a background with the Hex color 0055AD.

# Color Blindness Simulation

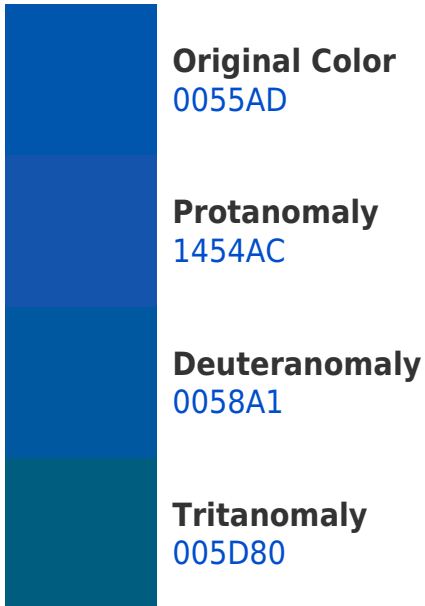
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0055AD 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 #0055AD looks like.

```
.text, #text, p{  
    color:#0055AD  
}
```

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 #0055AD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0055AD
}
```

## Border

The CSS property to change the border of an element to Hex 0055AD 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
#0055AD }
```

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

```
.border{ border-color:#0055AD }
```

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

Here you see how a box with a 4 pixel #0055AD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0055AD; -webkit-box-shadow:4px 4px  
4px 4px #0055AD; box-shadow:4px 4px 4px  
4px #0055AD }
```

# Background

The CSS property to change the background color of an element to Hex 0055AD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0055AD }
```

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

```
.background{ background-color:#0055AD }
```

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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