

# Converting Colors

Hex(003ED5)

Have a look what the booklet for  
Hex(003ED5) contains.

<b>Hex(003ED5)</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(003ED5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	003ED5
RGB	0, 62, 213
RGB Percent	0%, 24%, 84%
CMY	1.0000, 0.7569, 0.1647
CMYK	1.00, 0.71, 0.00, 0.16
HSL	223°, 100%, 42%
HSV	223°, 100%, 84%
XYZ	13.7329, 8.2493, 63.8193
YIQ	60.6760, -85.4230, 33.8170

# Conversions

## Conversions Part 2

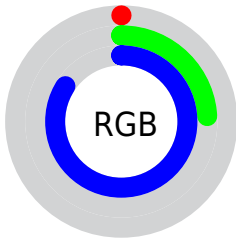
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 48, 213
Decimal	16085
CIELab	34.50, 44.71, -80.31
CIELCh	34, 91.919, 299.104
Yxy	8.2493, 0.1601, 0.0961
Android (android.graphics.Color)	4278206165 (0xFF003ED5)
YUV	60.6760, 75.0957, -53.2129
Hunter-Lab	28.7217, 35.0843, -111.6366

# Details

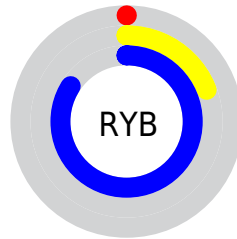
The Hex color **003ED5** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **D59700**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **696EFF**, and **00149D** is the 20% darker color. If you saturate the color by 10%, you get **003ED5**, and if you desaturate by 10%, it is **154DD5**.

# Distribution



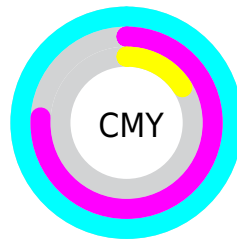
- Red (0%)
- Green (24%)
- Blue (84%)



- Red (0%)
- Yellow (19%)
- Blue (84%)



- Cyan (100%)
- Magenta (71%)
- Yellow (0%)
- Black (16%)





















- Cyan (100%)
- Magenta (76%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003ED5 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 003ED5 by changing the saturation by 10% instead.



 003ED5	 003ED5
 FFFFFFFF	 0028B9
 696EFF	 00149D
 8A87FF	 000282
 AAA2FF	 000168
 C9BDFF	 000A4E
 E8D9FF	 000537
 FFF5FF	 000220
	 000005
	 000000

■ 003ED5

■ 154DD5

■ 2B5CD5

■ 406BD5

■ 557AD5

■ 6B8AD5

■ 8099D5

■ 95A8D5

■ AAB7D5

■ C0C6D5

# Harmonies

## Analogous

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



005EE9



003ED5



A0009E

# Triad

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



003ED5



9C2400



006A4D

# Complementary

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



003ED5



D59700

# 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.



006700



003ED5



664F00

# Square

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



003ED5



BF0010



026000



006C98

# Rectangle

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



003ED5



BE006F



026000



006933



# Sweetspot

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



003ED5



B3C9FF



00D595



525F80



000000



808080



# Same Dimension

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



003ED5



004AFF



2B00D5



60646B



0032AB



000D2B



# Inverse Universe

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



D5003E



FF004A



AAD500



6B6064



AB0032



2B000D



# Previews

## White Background



This preview shows how the Hex color 003ED5 looks on a white background.

## Color Contrast Check

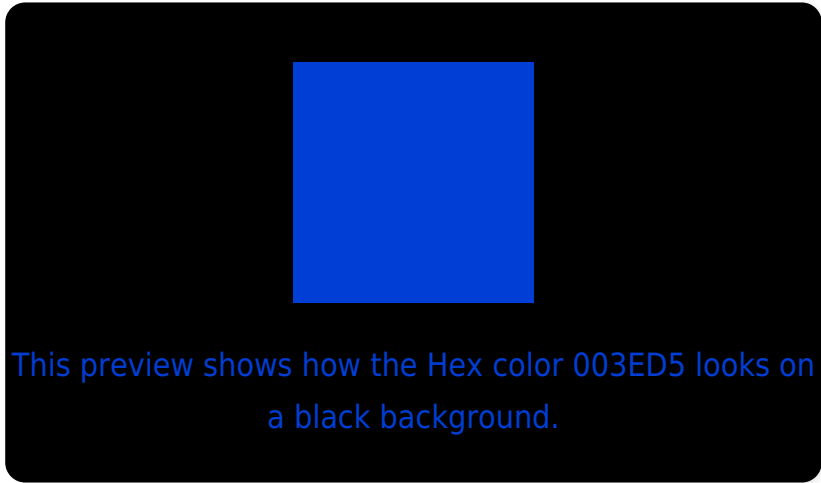
Large Text (above 18pt) WCAG AA ✓ Pass

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

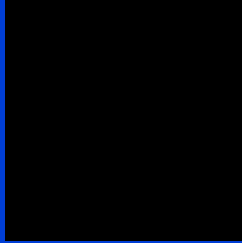
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003ED5 Background



This preview shows how black text looks on a background with the Hex color 003ED5.



This preview shows how white text looks on a background with the Hex color 003ED5.

# 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**  
003ED5

**Protanopia**  
004EA4

**Deuteranopia**  
00538C



**Tritanopia**  
005A5F

# Trichromacy



**Original Color**  
003ED5

**Protanomaly**  
0048B6

**Deuteranomaly**  
004BA7

**Tritanomaly**  
00508A

# Monochromacy



**Original Color**  
003ED5

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
273D74

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003ED5 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 #003ED5 looks like.

```
.text, #text, p{  
    color:#003ED5  
}
```

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 #003ED5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003ED5
}
```

## Border

The CSS property to change the border of an element to Hex 003ED5 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
#003ED5 }
```

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

```
.border{ border-color:#003ED5 }
```

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

Here you see how a box with a 4 pixel #003ED5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003ED5; -webkit-box-shadow:4px 4px  
4px 4px #003ED5; box-shadow:4px 4px 4px  
4px #003ED5 }
```

# Background

The CSS property to change the background color of an element to Hex 003ED5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003ED5 }
```

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

```
.background{ background-color:#003ED5 }
```

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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