

# Converting Colors

Hex(0A45ED)

Have a look what the booklet for  
Hex(0A45ED) contains.

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# Color

**Hex(0A45ED)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0A45ED
RGB	10, 69, 237
RGB Percent	4%, 27%, 93%
CMY	0.9608, 0.7294, 0.0706
CMYK	0.96, 0.71, 0.00, 0.07
HSL	224°, 92%, 48%
HSV	224°, 96%, 93%
XYZ	17.5394, 10.4352, 81.2105
YIQ	70.5110, -89.0920, 39.7400

# Conversions

## Conversions Part 2

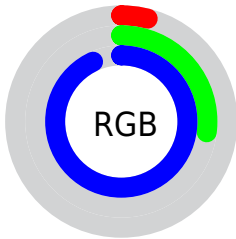
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 57, 237
Decimal	673261
CIELab	38.61, 49.26, -87.22
CIELCh	39, 100.168, 299.459
Yxy	10.4352, 0.1606, 0.0956
Android (android.graphics.Color)	4278863341 (0xFF0A45ED)
YUV	70.5110, 82.0791, -53.0681
Hunter-Lab	32.3036, 40.3861, -126.4414

# Details

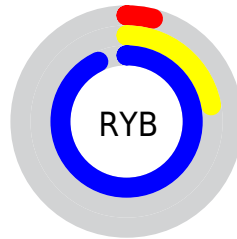
The Hex color **0A45ED** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **EDB20A**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **7176FF**, and **001AB4** is the 20% darker color. If you saturate the color by 10%, you get **003EED**, and if you desaturate by 10%, it is **2257ED**.

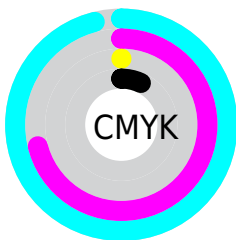
# Distribution



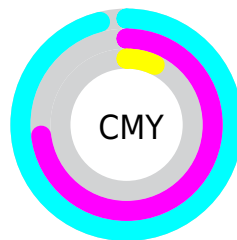
- Red (4%)
- Green (27%)
- Blue (93%)



- Red (4%)
- Yellow (22%)
- Blue (93%)



- Cyan (96%)
- Magenta (71%)
- Yellow (0%)
- Black (7%)



- Cyan (96%)
- Magenta (73%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0A45ED 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 0A45ED by changing the saturation by 10% instead.



 0A45ED

 0A45ED

FFFFFF

 002ED0

 7176FF

 001AB4

 9390FF

 000998

 B4AAFF

 00007D

 D4C6FF

 000F63

 F4E2FF

 00094A

 000432

 00021C

 000000

■ 0A45ED

■ 0A45ED

■ 003EED

■ 2257ED

■ 3968ED

■ 517AED

■ 698BED

■ 809DED

■ 98AEED

■ B0C0ED

■ C8D1ED

■ DFE3ED

# Harmonies

## Analogous

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



0069FF



0A45ED



B300B0

# Triad

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



0A45ED



AD2A00



007657

# Complementary

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



0A45ED



EDB20A

# 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.



007300



0A45ED



715800

# Square

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



0A45ED



D40012



006B00



0078AA

# Rectangle

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



0A45ED



D4007B



006B00



00753A



# Sweetspot

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



0A45ED



B5C8FF



0AEDB0



535E80



000000



808080



# Same Dimension

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



0A45ED



0042FF



3F0AED



6A6D75



002FB5



000E36



# Inverse Universe

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



ED0A45



FF0042



B8ED0A



756A6D



B5002F

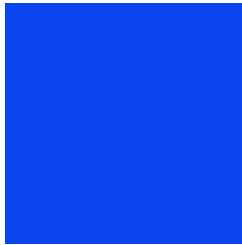


36000E



# Previews

## White Background



This preview shows how the Hex color 0A45ED looks on a white background.

## Color Contrast Check

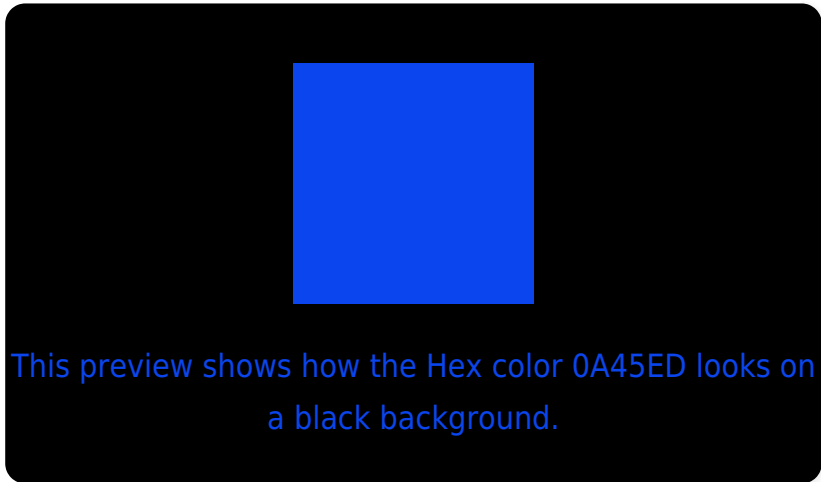
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

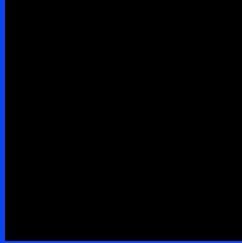
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0A45ED Background



This preview shows how black text looks on a background with the Hex color 0A45ED.



This preview shows how white text looks on a background with the Hex color 0A45ED.

# 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**  
0A45ED

**Protanopia**  
0057B7

**Deuteranopia**  
005D9C



# Trichromacy



**Original Color**  
0A45ED

**Protanomaly**  
0450CB

**Deuteranomaly**  
0454B9

**Tritanomaly**  
045999

# Monochromacy



**Original Color**  
0A45ED

**Achromatopsia**  
474747

**Achromatomaly**  
314683

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0A45ED 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 #0A45ED looks like.

```
.text, #text, p{  
    color:#0A45ED  
}
```

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 #0A45ED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0A45ED
}
```

## Border

The CSS property to change the border of an element to Hex 0A45ED 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
#0A45ED }
```

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

```
.border{ border-color:#0A45ED }
```

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

Here you see how a box with a 4 pixel #0A45ED colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0A45ED; -webkit-box-shadow:4px 4px  
4px 4px #0A45ED; box-shadow:4px 4px 4px  
4px #0A45ED }
```

# Background

The CSS property to change the background color of an element to Hex 0A45ED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0A45ED }
```

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

```
.background{ background-color:#0A45ED }
```

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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