

# Converting Colors

Hex(245BDB)

Have a look what the booklet for  
Hex(245BDB) contains.

<b>Hex(245BDB)</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> .....	28

# Color

**Hex(245BDB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	245BDB
RGB	36, 91, 219
RGB Percent	14%, 36%, 86%
CMY	0.8588, 0.6431, 0.1412
CMYK	0.84, 0.58, 0.00, 0.14
HSL	222°, 72%, 50%
HSV	222°, 84%, 86%
XYZ	17.2548, 12.9717, 68.6122
YIQ	89.1470, -73.8680, 28.1480

# Conversions

## Conversions Part 2

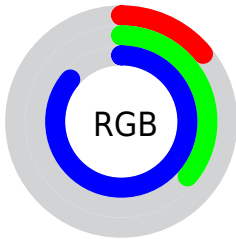
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 78, 219
Decimal	2382811
CIE <sub>Lab</sub>	42.72, 30.01, -70.22
CIE <sub>LCh</sub>	43, 76.366, 293.138
Yxy	12.9717, 0.1746, 0.1312
Android (android.graphics.Color)	4280572891 (0xFF245BDB)
YUV	89.1470, 64.0175, -46.6099
Hunter-Lab	36.0163, 22.4881, -87.7381

# Details

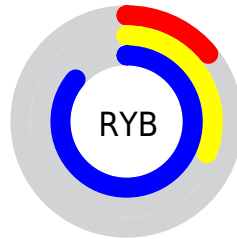
The Hex color **245BDB** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **DBA424**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **728DFF**, and **002FA3** is the 20% darker color. If you saturate the color by 10%, you get **0E4CDB**, and if you desaturate by 10%, it is **3A6ADB**.

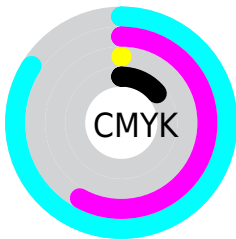
# Distribution



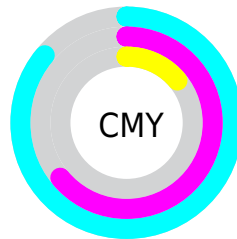
- Red (14%)
- Green (36%)
- Blue (86%)



- Red (14%)
- Yellow (31%)
- Blue (86%)



- Cyan (84%)
- Magenta (58%)
- Yellow (0%)
- Black (14%)



- Cyan (86%)
- Magenta (64%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 245BDB 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 245BDB by changing the saturation by 10% instead.



 245BDB

 245BDB

FFFFFF

 0044BF

 728DFF

 002FA3

 92A7FF

 001C88

 B1C2FF

 00066E

 D0DEFF

 000B54

 E9FAFF

 00063C

 000225

 00010E

 000000

■ 245BDB

■ 245BDB

■ 0E4CDB

■ 3A6ADB

■ 0042DB

■ 507ADB

■ 6689DB

■ 7C98DB

■ 92A8DB

■ A7B7DB

■ BDC6DB

■ D3D6DB

■ E9E5DB

# Harmonies

## Analogous

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



0072E4



245BDB



A033B2

# Triad

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



245BDB



B43D00



007D54

# Complementary

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



245BDB



DBA424

# 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.



007903



245BDB



885D00

# Square

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



245BDB



CD0038



4C7000



007F95

# Rectangle

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



245BDB



C0008B



4C7000



007C3D



# Sweetspot

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



245BDB



BFD2FF



24DBA1



596580



000000



808080



# Same Dimension

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



245BDB



004DFF



4624DB



63666E



0034AD



000E2E



# Inverse Universe

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



DB245B



FF004D



B9DB24



6E6366



AD0034



2E000E



# Previews

## White Background



This preview shows how the Hex color 245BDB looks on a white background.

## Color Contrast Check

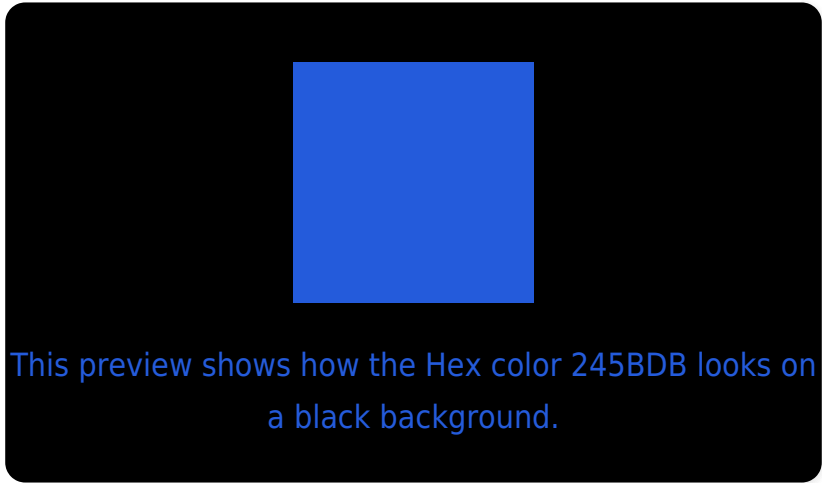
Large Text (above 18pt) WCAG AA ✓ Pass

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 245BDB Background



This preview shows how black text looks on a background with the Hex color 245BDB.

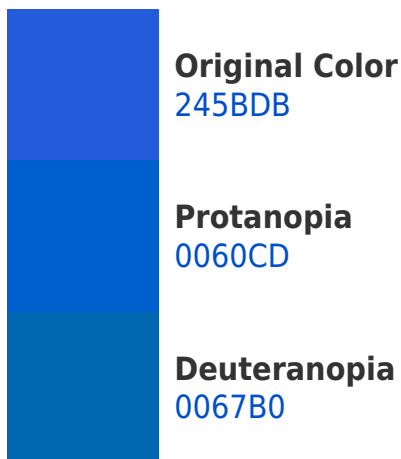


This preview shows how white text looks on a background with the Hex color 245BDB.

# 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



**Original Color**  
245BDB

**Protanomaly**  
0D5ED2

**Deuteranomaly**  
0D63C0

# Monochromacy



**Original Color**  
245BDB

**Achromatopsia**  
595959

**Achromatomaly**  
465A88

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 245BDB 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 #245BDB looks like.

```
.text, #text, p{  
    color:#245BDB  
}
```

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 #245BDB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #245BDB
}
```

## Border

The CSS property to change the border of an element to Hex 245BDB 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
#245BDB }
```

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

```
.border{ border-color:#245BDB }
```

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

Here you see how a box with a 4 pixel #245BDB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #245BDB; -webkit-box-shadow:4px 4px  
4px 4px #245BDB; box-shadow:4px 4px 4px  
4px #245BDB }
```

# Background

The CSS property to change the background color of an element to Hex 245BDB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#245BDB }
```

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

```
.background{ background-color:#245BDB }
```

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