

# Converting Colors

Hex(2D6AEB)

Have a look what the booklet for  
Hex(2D6AEB) contains.

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# Color

**Hex(2D6AEB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D6AEB
RGB	45, 106, 235
RGB Percent	18%, 42%, 92%
CMY	0.8235, 0.5843, 0.0784
CMYK	0.81, 0.55, 0.00, 0.08
HSL	221°, 83%, 55%
HSV	221°, 81%, 92%
XYZ	21.2316, 16.8641, 80.7333
YIQ	102.4670, -77.7650, 27.1870

# Conversions

## Conversions Part 2

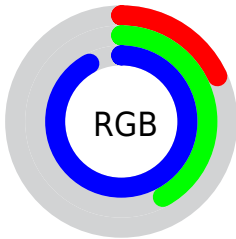
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	45, 91, 235
Decimal	2976491
CIE Lab	48.09, 27.14, -70.52
CIE LCh	48, 75.564, 291.046
Yxy	16.8641, 0.1787, 0.1419
Android (android.graphics.Color)	4281166571 (0xFF2D6AEB)
YUV	102.4670, 65.3388, -50.3986
Hunter-Lab	41.0659, 20.4214, -87.8147

# Details

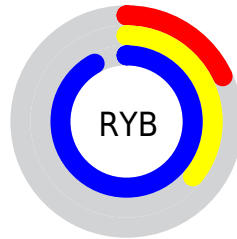
The Hex color **2D6AEB** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **EBAE2D**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **799DFF**, and **003CB2** is the 20% darker color. If you saturate the color by 10%, you get **165AEB**, and if you desaturate by 10%, it is **457AEB**.

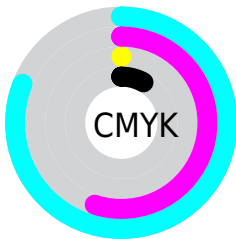
# Distribution



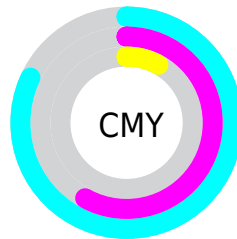
- Red (18%)
- Green (42%)
- Blue (92%)



- Red (18%)
- Yellow (36%)
- Blue (92%)



- Cyan (81%)
- Magenta (55%)
- Yellow (0%)
- Black (8%)



- Cyan (82%)
- Magenta (58%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D6AEB 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 2D6AEB by changing the saturation by 10% instead.



■ 2D6AEB

■ 2D6AEB

FFFFFF

■ 0052CE

■ 799DFF

■ 003CB2

■ 99B7FF

■ 002897

■ B9D3FF

■ 00167C

■ D8EFFF

■ 000162

■ F7FFFF

■ 000949

■ 000432

■ 00011C

■ 000000

■ 2D6AEB

■ 2D6AEB

■ 165AEB

■ 457AEB

■ 004BEB

■ 5C8AEB

■ 749AEB

■ 8BAAEB

■ A3BAEB

■ BACAEB

■ D2DAEB

■ E9EAEB

■ FFFAEB

# Harmonies

## Analogous

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



0080F2



2D6AEB



AA46C4

# Triad

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



2D6AEB



C64900



008C5C

# Complementary

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



2D6AEB



EBAE2D

# 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.



008712



2D6AEB



9B6900

# Square

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



2D6AEB



DE1D49



607C00



008D9F

# Rectangle

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



2D6AEB



CD279D



607C00



008B46



# Sweetspot

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



2D6AEB



C2D5FF



2DEBAC



5B6680



000000



808080



# Same Dimension

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



2D6AEB



0857FF



4D2DEB



6A6D75



003AB5



001136



# Inverse Universe

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



EB2D6A



FF0857



CBEB2D



756A6D



B5003A



360011



# Previews

## White Background



This preview shows how the Hex color 2D6AEB looks on a white background.

## Color Contrast Check

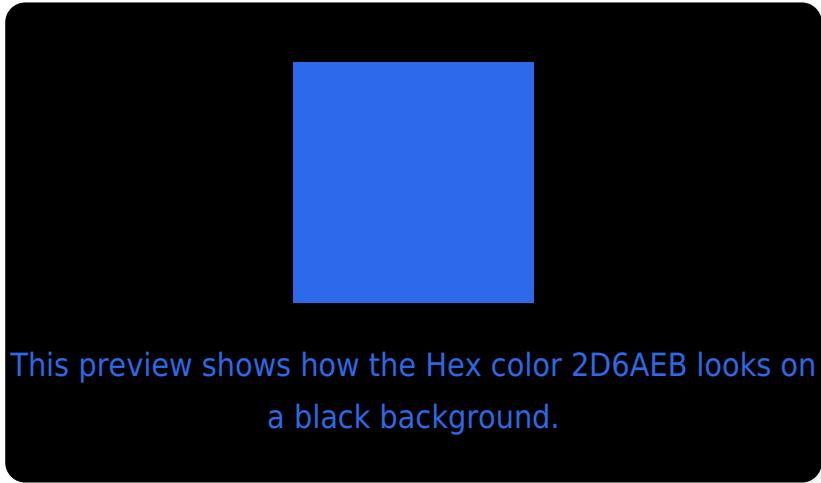
Large Text (above 18pt) WCAG AA ✓ Pass

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

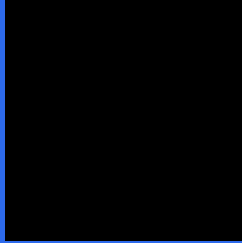
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

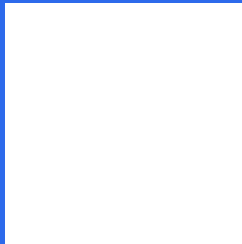
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2D6AEB Background



This preview shows how black text looks on a background with the Hex color 2D6AEB.

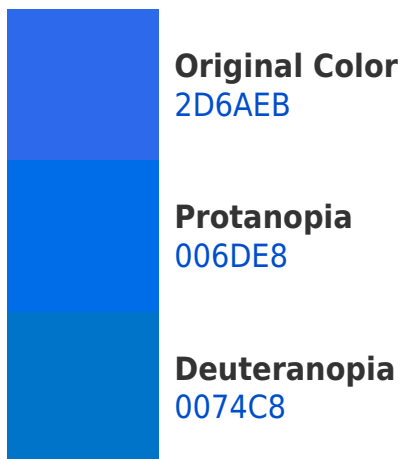


This preview shows how white text looks on a background with the Hex color 2D6AEB.

# 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**  
2D6AEB

**Protanomaly**  
106CE9

**Deuteranomaly**  
1070D5

# Monochromacy



**Original Color**  
2D6AEB

**Achromatopsia**  
666666

**Achromatomaly**  
516796

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D6AEB 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 #2D6AEB looks like.

```
.text, #text, p{  
    color:#2D6AEB  
}
```

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 #2D6AEB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D6AEB
}
```

## Border

The CSS property to change the border of an element to Hex 2D6AEB 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
#2D6AEB }
```

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

```
.border{ border-color:#2D6AEB }
```

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

Here you see how a box with a 4 pixel #2D6AEB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D6AEB; -webkit-box-shadow:4px 4px  
4px 4px #2D6AEB; box-shadow:4px 4px 4px  
4px #2D6AEB }
```

# Background

The CSS property to change the background color of an element to Hex 2D6AEB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D6AEB }
```

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

```
.background{ background-color:#2D6AEB }
```

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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