

# Converting Colors

Hex(2D5FE3)

Have a look what the booklet for  
Hex(2D5FE3) contains.

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# Color

Hex(2D5FE3)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D5FE3
RGB	45, 95, 227
RGB Percent	18%, 37%, 89%
CMY	0.8235, 0.6275, 0.1098
CMYK	0.80, 0.58, 0.00, 0.11
HSL	224°, 76%, 53%
HSV	224°, 80%, 89%
XYZ	19.0395, 14.2884, 74.4275
YIQ	95.0980, -72.1720, 30.4520

# Conversions

## Conversions Part 2

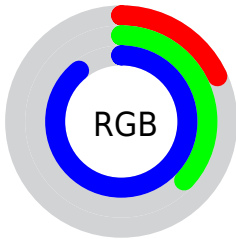
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 84, 227
Decimal	2973667
CIE <sub>Lab</sub>	44.64, 31.16, -71.62
CIE <sub>LCh</sub>	45, 78.106, 293.513
Yxy	14.2884, 0.1767, 0.1326
Android (android.graphics.Color)	4281163747 (0xFF2D5FE3)
YUV	95.0980, 65.0277, -43.9359
Hunter-Lab	37.7999, 23.7591, -90.2811

# Details

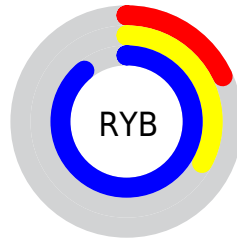
The Hex color **2D5FE3** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **E3B12D**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **7891FF**, and **0032AA** is the 20% darker color. If you saturate the color by 10%, you get **164FE3**, and if you desaturate by 10%, it is **446FE3**.

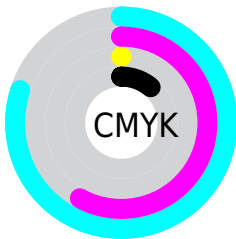
# Distribution



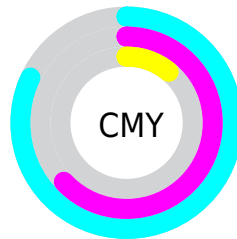
- Red (18%)
- Green (37%)
- Blue (89%)



- Red (18%)
- Yellow (33%)
- Blue (89%)



- Cyan (80%)
- Magenta (58%)
- Yellow (0%)
- Black (11%)



- Cyan (82%)
- Magenta (63%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D5FE3 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 2D5FE3 by changing the saturation by 10% instead.



■ 2D5FE3

■ 2D5FE3

FFFFFF

■ 0048C6

■ 7891FF

■ 0032AA

■ 98ABFF

■ 001F8F

■ B7C6FF

■ 000C75

■ D6E2FF

■ 00075B

■ F5FFFF

■ 000743

■ 00032B

■ 000116

■ 000000

■ 2D5FE3

■ 2D5FE3

■ 164FE3

■ 446FE3

■ 003EE3

■ 5A80E3

■ 7190E3

■ 88A1E3

■ 9FB1E3

■ B5C2E3

■ CCD2E3

■ E3E3E3

■ F9F3E3

# Harmonies

## Analogous

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



0077ED



2D5FE3



A736B8

# Triad

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



2D5FE3



BB4100



008359

# Complementary

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



2D5FE3



E3B12D

# 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.



007F08



2D5FE3



8D6200

# Square

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



2D5FE3



D5003B



507500



00849C

# Rectangle

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



2D5FE3



C80090



507500



008242



# Sweetspot

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



2D5FE3



C2D3FF



2DE3AF



5B6580



000000



808080



# Same Dimension

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



2D5FE3



0A4DFF



542DE3



676A73



0031B3



000E33



# Inverse Universe

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



E32D5F



FF0A4D



BCE32D



73676A



B30031

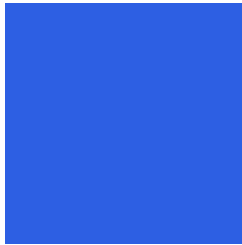


33000E



# Previews

## White Background



This preview shows how the Hex color 2D5FE3 looks on a white background.

## Color Contrast Check

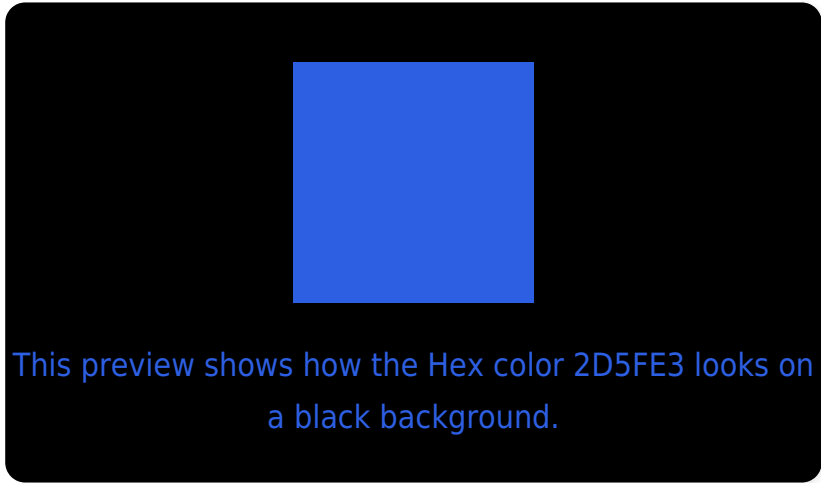
Large Text (above 18pt) WCAG AA ✓ Pass

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

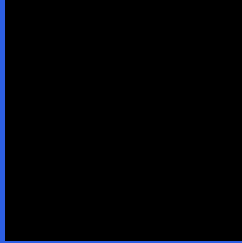
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D5FE3 Background



This preview shows how black text looks on a background with the Hex color 2D5FE3.

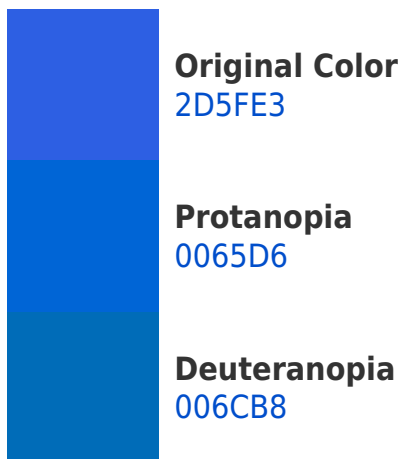


This preview shows how white text looks on a background with the Hex color 2D5FE3.

# 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](#).

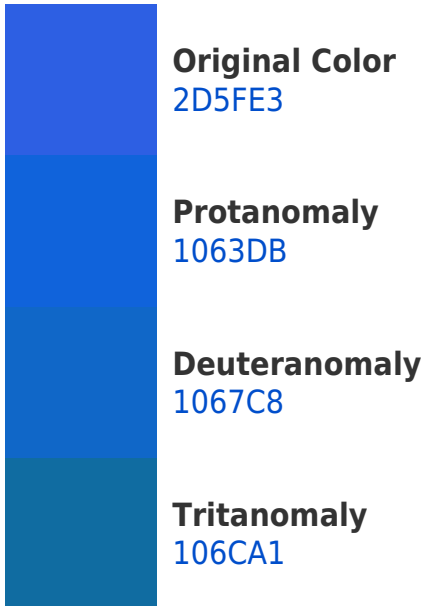
## Dichromacy





**Tritanopia**  
00747C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D5FE3 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 #2D5FE3 looks like.

```
.text, #text, p{  
    color:#2D5FE3  
}
```

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 #2D5FE3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D5FE3
}
```

## Border

The CSS property to change the border of an element to Hex 2D5FE3 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
#2D5FE3 }
```

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

```
.border{ border-color:#2D5FE3 }
```

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

Here you see how a box with a 4 pixel #2D5FE3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D5FE3; -webkit-box-shadow:4px 4px  
4px 4px #2D5FE3; box-shadow:4px 4px 4px  
4px #2D5FE3 }
```

# Background

The CSS property to change the background color of an element to Hex 2D5FE3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D5FE3 }
```

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

```
.background{ background-color:#2D5FE3 }
```

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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