

# Converting Colors

Hex(2B6EE6)

Have a look what the booklet for  
Hex(2B6EE6) contains.

<b>Hex(2B6EE6)</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(2B6EE6)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B6EE6
RGB	43, 110, 230
RGB Percent	17%, 43%, 90%
CMY	0.8314, 0.5686, 0.0980
CMYK	0.81, 0.52, 0.00, 0.10
HSL	219°, 79%, 54%
HSV	219°, 81%, 90%
XYZ	20.8551, 17.3786, 77.1181
YIQ	103.6470, -78.4520, 23.1160

# Conversions

## Conversions Part 2

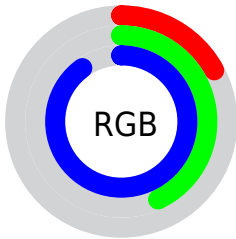
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 92, 230
Decimal	2846438
CIELab	48.73, 22.55, -66.67
CIELCh	49, 70.378, 288.688
Yxy	17.3786, 0.1808, 0.1507
Android (android.graphics.Color)	4281036518 (0xFF2B6EE6)
YUV	103.6470, 62.2920, -53.1874
Hunter-Lab	41.6877, 16.3449, -80.4993

# Details

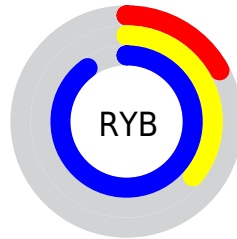
The Hex color **2B6EE6** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **E6A32B**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **77A1FF**, and **0040AD** is the 20% darker color. If you saturate the color by 10%, you get **145FE6**, and if you desaturate by 10%, it is **427DE6**.

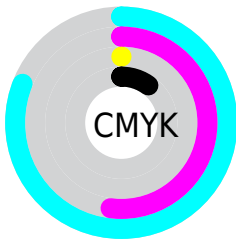
# Distribution



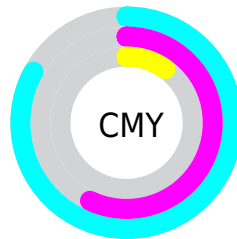
- Red (17%)
- Green (43%)
- Blue (90%)



- Red (17%)
- Yellow (36%)
- Blue (90%)



- Cyan (81%)
- Magenta (52%)
- Yellow (0%)
- Black (10%)



- Cyan (83%)
- Magenta (57%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B6EE6 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 2B6EE6 by changing the saturation by 10% instead.



 2B6EE6

 2B6EE6

FFFFFF

 0056C9

 77A1FF

 0040AD

 97BCFF

 002B92

 B6D7FF

 001978

 D5F4FF

 00015E

 F4FFFF

 000845

 00042E

 000119

 000000

■ 2B6EE6

■ 2B6EE6

■ 145FE6

■ 427DE6

■ 0052E6

■ 598CE6

■ 709AE6

■ 87A9E6

■ 9EB8E6

■ B5C7E6

■ CCD5E6

■ E3E4E6

■ FAF3E6

# Harmonies

## Analogous

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



0082EA



2B6EE6



A34FC3

# Triad

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



2B6EE6



C74C17



008C5A

# Complementary

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



2B6EE6



E6A32B

# 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.



008718



2B6EE6



9F6900

# Square

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



2B6EE6



DA2C52



697C00



008E98

# Rectangle

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



2B6EE6



C638A0



697C00



008B45



# Sweetspot

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



2B6EE6



C2D8FF



2BE6A1



5B6880



000000



808080



# Same Dimension

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



2B6EE6



055FFF



442BE6



676B73



0040B3



001233



# Inverse Universe

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



E62B6E



FF055F



CDE62B



73676B



B30040



330012



# Previews

## White Background



This preview shows how the Hex color 2B6EE6 looks on a white background.

## Color Contrast Check

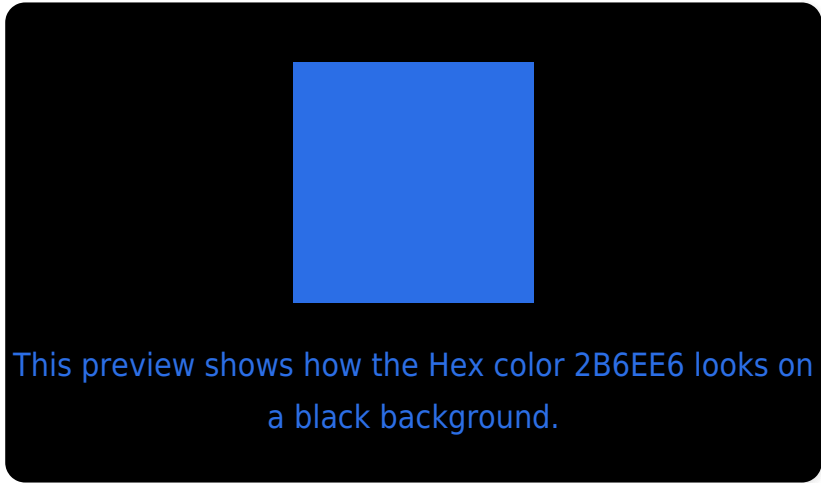
Large Text (above 18pt) WCAG AA ✓ Pass

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

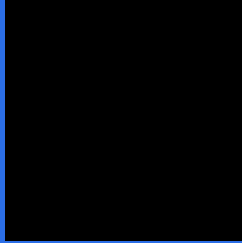
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

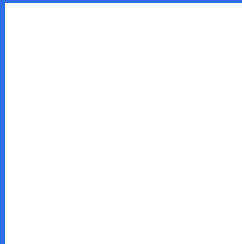
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2B6EE6 Background



This preview shows how black text looks on a background with the Hex color 2B6EE6.



This preview shows how white text looks on a background with the Hex color 2B6EE6.

# 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](#).

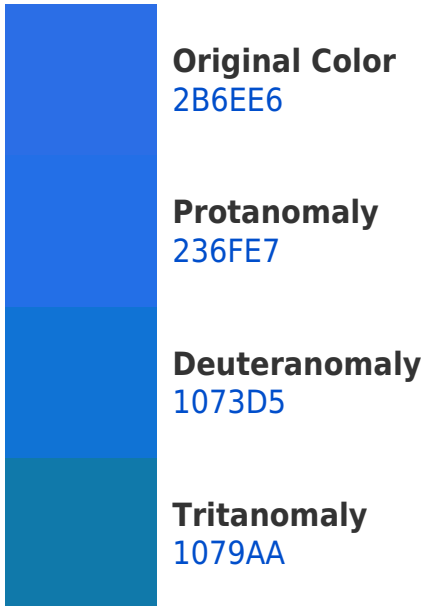
## Dichromacy





**Tritanopia**  
008088

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B6EE6 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 #2B6EE6 looks like.

```
.text, #text, p{  
    color:#2B6EE6  
}
```

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 #2B6EE6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B6EE6
}
```

## Border

The CSS property to change the border of an element to Hex 2B6EE6 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
#2B6EE6 }
```

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

```
.border{ border-color:#2B6EE6 }
```

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

Here you see how a box with a 4 pixel #2B6EE6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B6EE6; -webkit-box-shadow:4px 4px  
4px 4px #2B6EE6; box-shadow:4px 4px 4px  
4px #2B6EE6 }
```

# Background

The CSS property to change the background color of an element to Hex 2B6EE6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B6EE6 }
```

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

```
.background{ background-color:#2B6EE6 }
```

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