

# Converting Colors

Hex(2B65CA)

Have a look what the booklet for  
Hex(2B65CA) contains.

<b>Hex(2B65CA)</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(2B65CA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B65CA
RGB	43, 101, 202
RGB Percent	17%, 40%, 79%
CMY	0.8314, 0.6039, 0.2078
CMYK	0.79, 0.50, 0.00, 0.21
HSL	218°, 65%, 48%
HSV	218°, 79%, 79%
XYZ	16.3106, 14.0852, 57.7362
YIQ	95.1720, -66.9890, 19.1150

# Conversions

## Conversions Part 2

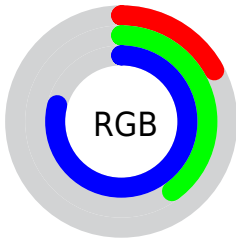
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	43, 85, 202
Decimal	2844106
CIE Lab	44.35, 17.70, -57.82
CIE LCh	44, 60.469, 287.022
Yxy	14.0852, 0.1851, 0.1598
Android (android.graphics.Color)	4281034186 (0xFF2B65CA)
YUV	95.1720, 52.6662, -45.7548
Hunter-Lab	37.5303, 11.8979, -64.9399

# Details

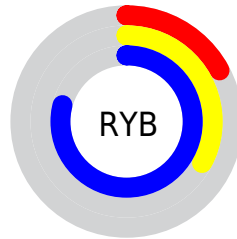
The Hex color **2B65CA** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **CA902B**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **7197FF**, and **003793** is the 20% darker color. If you saturate the color by 10%, you get **1758CA**, and if you desaturate by 10%, it is **3F72CA**.

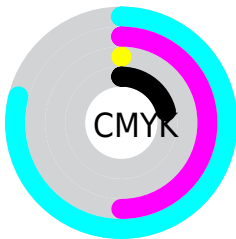
# Distribution



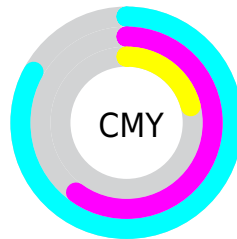
- Red (17%)
- Green (40%)
- Blue (79%)



- Red (17%)
- Yellow (33%)
- Blue (79%)



- Cyan (79%)
- Magenta (50%)
- Yellow (0%)
- Black (21%)



- Cyan (83%)
- Magenta (60%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B65CA 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 2B65CA by changing the saturation by 10% instead.



 2B65CA

 2B65CA

FFFFFF

 004EAE

 7197FF

 003793

 8FB2FF

 002379

 ADCDFF

 000F5F

 CBE9FF

 000847

 EAFFFF

 00042F

 00011A

 000000

 2B65CA

 2B65CA

■ 1758CA

■ 3F72CA

■ 034BCA

■ 537FCA

■ 004ACA

■ 688BCA

■ 7C98CA

■ 90A5CA

■ A4B2CA

■ B8BFCA

■ CDCCCA

■ E1D8CA

# Harmonies

## Analogous

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



0075CB



2B65CA



8E4DAE

# Triad

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



2B65CA



B2471F



007E51

# Complementary

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



2B65CA



CA902B

# 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.



20791B



2B65CA



915F00

# Square

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



2B65CA



C1314F



646F00



007F85

# Rectangle

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



2B65CA



AD3B91



646F00



007D3F



# Sweetspot

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



2B65CA



C2D8FF



2BCA90



5B6880



000000



808080



# Same Dimension

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



2B65CA



0F67FF



402BCA



5C6066



003CA6



000E26



# Inverse Universe

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



CA2B65



FF0F67



B5CA2B



665C60



A6003C



26000E



# Previews

## White Background



This preview shows how the Hex color 2B65CA looks on a white background.

## Color Contrast Check

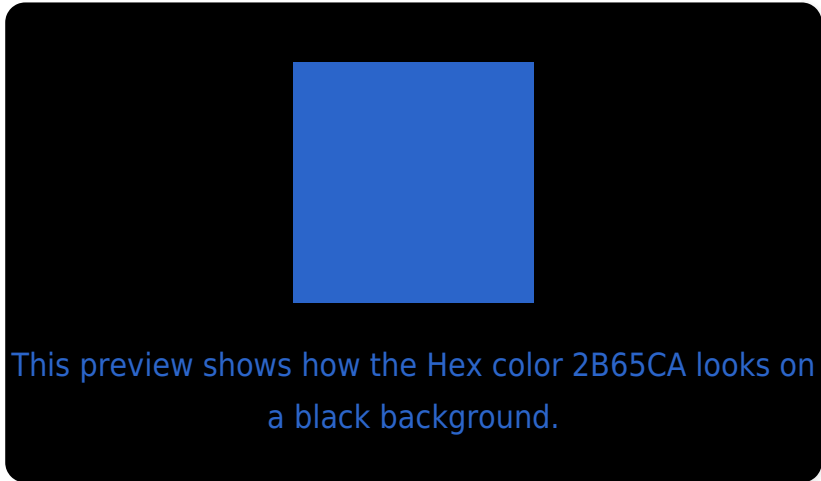
Large Text (above 18pt) WCAG AA ✓ Pass

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

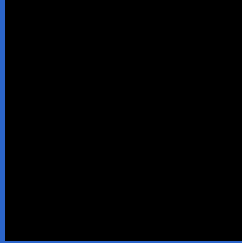
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

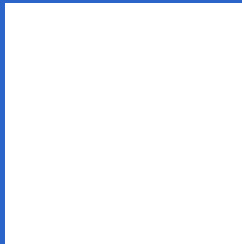
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2B65CA Background



This preview shows how black text looks on a background with the Hex color 2B65CA.

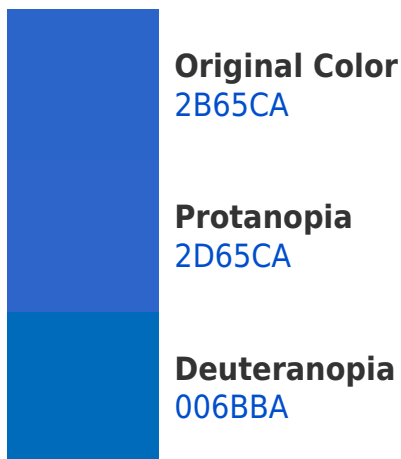


This preview shows how white text looks on a background with the Hex color 2B65CA.

# 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](#).

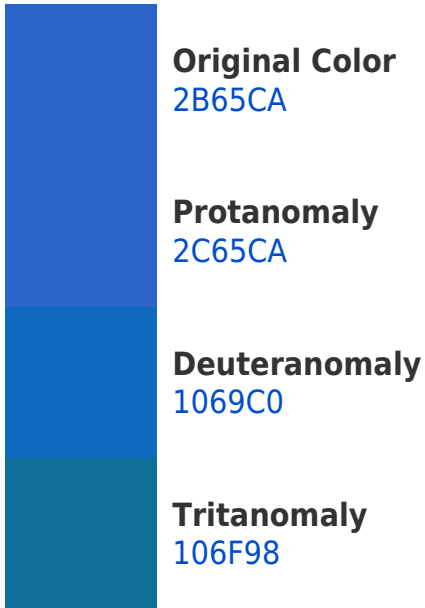
## Dichromacy



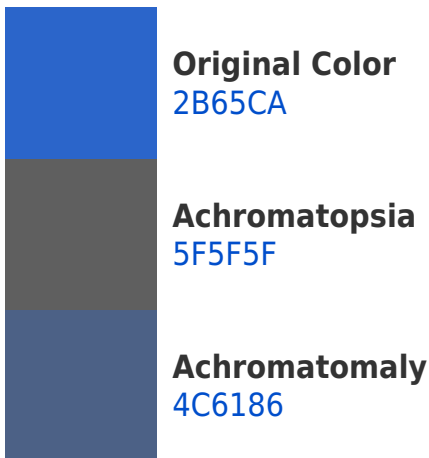


**Tritanopia**  
00747C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B65CA 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 #2B65CA looks like.

```
.text, #text, p{  
    color:#2B65CA  
}
```

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 #2B65CA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B65CA
}
```

## Border

The CSS property to change the border of an element to Hex 2B65CA 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
#2B65CA }
```

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

```
.border{ border-color:#2B65CA }
```

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

Here you see how a box with a 4 pixel #2B65CA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B65CA; -webkit-box-shadow:4px 4px  
4px 4px #2B65CA; box-shadow:4px 4px 4px  
4px #2B65CA }
```

# Background

The CSS property to change the background color of an element to Hex 2B65CA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B65CA }
```

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

```
.background{ background-color:#2B65CA }
```

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