

# Converting Colors

Hex(2D68CB)

Have a look what the booklet for  
Hex(2D68CB) contains.

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**Color**

**Hex(2D68CB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D68CB
RGB	45, 104, 203
RGB Percent	18%, 41%, 80%
CMY	0.8235, 0.5922, 0.2039
CMYK	0.78, 0.49, 0.00, 0.20
HSL	218°, 64%, 49%
HSV	218°, 78%, 80%
XYZ	16.8120, 14.7703, 58.4648
YIQ	97.6450, -66.9430, 18.2810

# Conversions

## Conversions Part 2

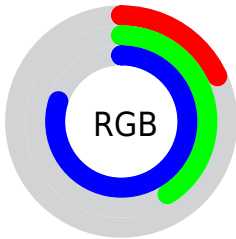
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 88, 203
Decimal	2975947
CIE <sub>Lab</sub>	45.32, 16.37, -56.84
CIE <sub>LCh</sub>	45, 59.147, 286.066
Yxy	14.7703, 0.1867, 0.1640
Android (android.graphics.Color)	4281166027 (0xFF2D68CB)
YUV	97.6450, 51.9400, -46.1697
Hunter-Lab	38.4322, 10.8278, -63.2922

# Details

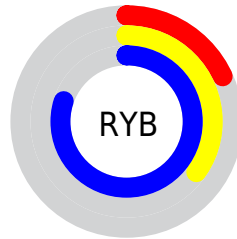
The Hex color **2D68CB** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **CB902D**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **729BFF**, and **003A94** is the 20% darker color. If you saturate the color by 10%, you get **195BCB**, and if you desaturate by 10%, it is **4175CB**.

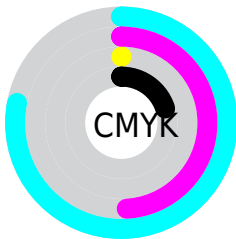
# Distribution



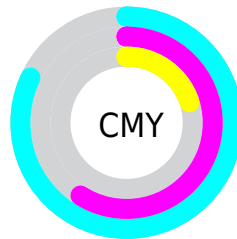
- Red (18%)
- Green (41%)
- Blue (80%)



- Red (18%)
- Yellow (35%)
- Blue (80%)



- Cyan (78%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)



- Cyan (82%)
- Magenta (59%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D68CB 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 2D68CB by changing the saturation by 10% instead.



■ 2D68CB

■ 2D68CB

FFFFFF

■ 0050AF

■ 729BFF

■ 003A94

■ 90B5FF

■ 00267A

■ AED1FF

■ 001360

■ CCEDFF

■ 000848

■ EBFFFF

■ 000430

■ 00011A

■ 000000

■ 2D68CB

■ 2D68CB

■ 195BCB

■ 4175CB

■ 044FCB

■ 5681CB

■ 004CCB

■ 6A8ECB

■ 7E9BCB

■ 93A8CB

■ A7B4CB

■ BBC1CB

■ CFCECB

■ E4DACB

# Harmonies

## Analogous

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



0078CC



2D68CB



8E51B0

# Triad

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



2D68CB



B44A25



008052

# Complementary

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



2D68CB



CB902D

# 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.



2A7B1F



2D68CB



946100

# Square

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



2D68CB



C23653



697100



008285

# Rectangle

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



2D68CB



AD4094



697100



007F41



# Sweetspot

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



2D68CB



C4DAFF



2DCB8E



5C6980



000000



808080



# Same Dimension

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



2D68CB



126AFF



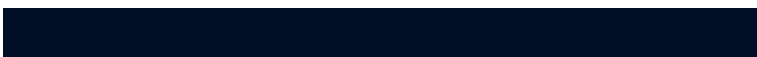
3F2DCB



5C6066



003EA6



000E26



# Inverse Universe

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



CB2D68



FF126A



B9CB2D



665C60



A6003E



26000E



# Previews

## White Background



This preview shows how the Hex color 2D68CB looks on a white background.

## Color Contrast Check

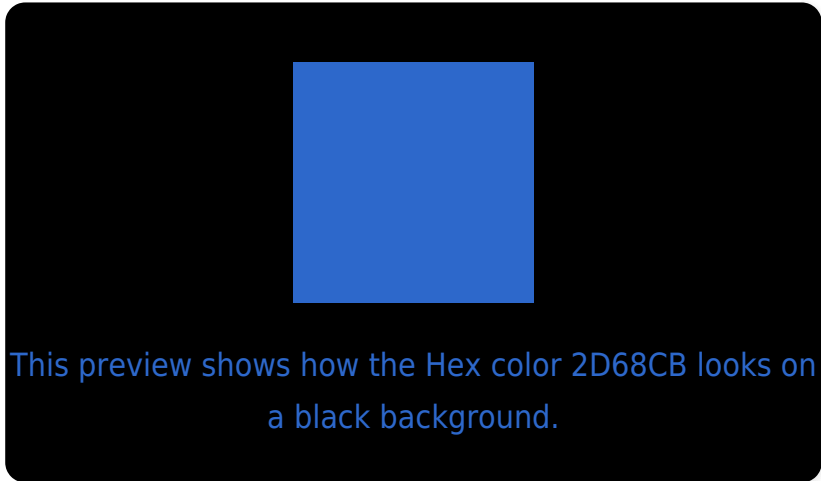
Large Text (above 18pt) WCAG AA ✓ Pass

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

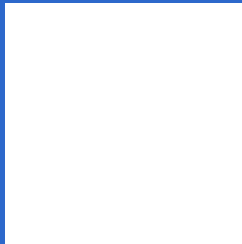
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2D68CB Background



This preview shows how black text looks on a background with the Hex color 2D68CB.



This preview shows how white text looks on a background with the Hex color 2D68CB.

# 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](#).

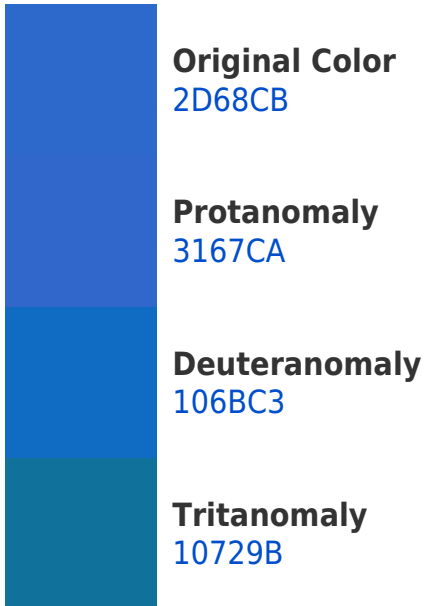
## Dichromacy





**Tritanopia**  
00777F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D68CB 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 #2D68CB looks like.

```
.text, #text, p{  
    color:#2D68CB  
}
```

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 #2D68CB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D68CB
}
```

## Border

The CSS property to change the border of an element to Hex 2D68CB 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
#2D68CB }
```

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

```
.border{ border-color:#2D68CB }
```

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

Here you see how a box with a 4 pixel #2D68CB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D68CB; -webkit-box-shadow:4px 4px  
4px 4px #2D68CB; box-shadow:4px 4px 4px  
4px #2D68CB }
```

# Background

The CSS property to change the background color of an element to Hex 2D68CB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D68CB }
```

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

```
.background{ background-color:#2D68CB }
```

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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