

# Converting Colors

Hex(2D6DBB)

Have a look what the booklet for  
Hex(2D6DBB) contains.

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# Color

**Hex(2D6DBB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D6DBB
RGB	45, 109, 187
RGB Percent	18%, 43%, 73%
CMY	0.8235, 0.5725, 0.2667
CMYK	0.76, 0.42, 0.00, 0.27
HSL	213°, 61%, 45%
HSV	213°, 76%, 73%
XYZ	15.5205, 15.0830, 49.1070
YIQ	98.7560, -63.1820, 10.6900

# Conversions

## Conversions Part 2

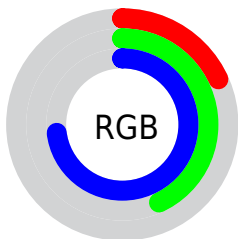
Format	Color
R <sub>Y</sub> B	45, 89, 187
Decimal	2977211
CIE Lab	45.75, 7.14, -46.91
CIE LCh	46, 47.454, 278.650
Yxy	15.0830, 0.1947, 0.1892
Android (android.graphics.Color)	4281167291 (0xFF2D6DBB)
YUV	98.7560, 43.5043, -47.1440
Hunter-Lab	38.8369, 3.3699, -47.7830

# Details

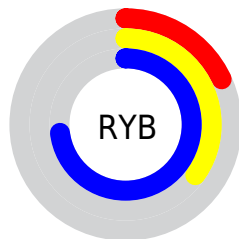
The Hex color **2D6DBB** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **BB7B2D**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **6EA0F4**, and **003E85** is the 20% darker color. If you saturate the color by 10%, you get **1A63BB**, and if you desaturate by 10%, it is **4077BB**.

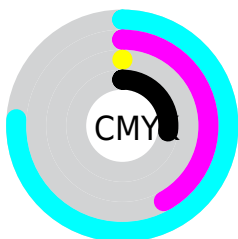
# Distribution



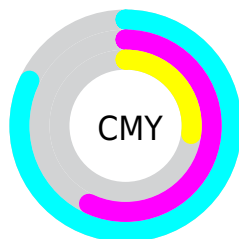
- Red (18%)
- Green (43%)
- Blue (73%)



- Red (18%)
- Yellow (35%)
- Blue (73%)



- Cyan (76%)
- Magenta (42%)
- Yellow (0%)
- Black (27%)



- Cyan (82%)
- Magenta (57%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D6DBB 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 2D6DBB by changing the saturation by 10% instead.



■ 2D6DBB

■ 2D6DBB

FFFFFF

■ 0055A0

■ 6EA0F4

■ 003E85

■ 8CBBFF

■ 00296B

■ A9D6FF

■ 001653

■ C7F3FF

■ 00063B

■ E5FFFF

■ 000224

■ 00000C

■ 000000

■ 2D6DBB

■ 2D6DBB

■ 1A63BB

■ 4077BB

■ 0858BB

■ 5282BB

■ 0054BB

■ 658CBB

■ 7896BB

■ 8BA0BB

■ 9DABBB

■ B0B5BB

■ C3BFBB

■ D5C9BB

# Harmonies

## Analogous

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



0078B6



2D6DBB



7D5DAB

# Triad

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



2D6DBB



AE503D



007D4E

# Complementary

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



2D6DBB



BB7B2D

# 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.



4C782A



2D6DBB



98601F

# Square

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



2D6DBB



B44762



766E14



007F77

# Rectangle

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



2D6DBB



9B5196



766E14



1F7C41



# Sweetspot

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



2D6DBB



BBD4F2



2DBB79



58687A



FAFAFA



7A7A7A



# Same Dimension

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



2D6DBB



1679F2



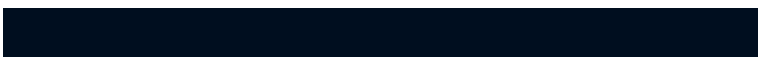
322DBB



55595E



00479E



000E1F



# Inverse Universe

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



BB2D6D



F21679



B6BB2D



5E5559



9E0047



1F000E



# Previews

## White Background



This preview shows how the Hex color 2D6DBB looks on a white background.

## Color Contrast Check

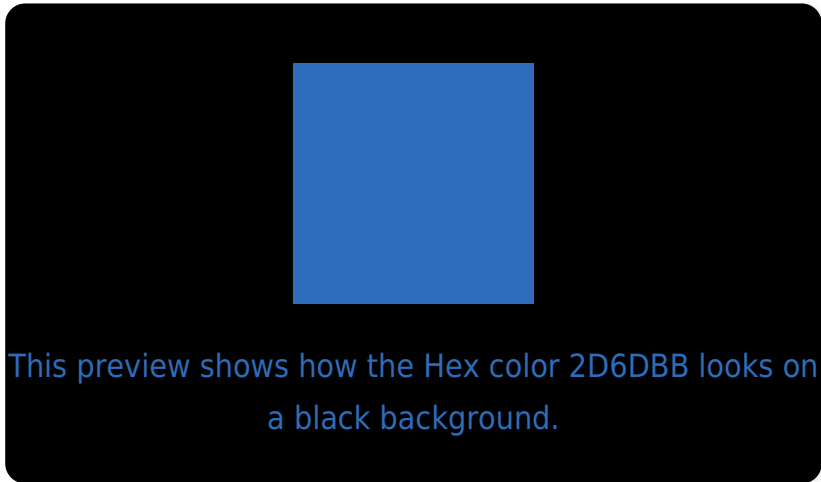
Large Text (above 18pt) WCAG AA ✓ Pass

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 2D6DBB Background



This preview shows how black text looks on a background with the Hex color 2D6DBB.

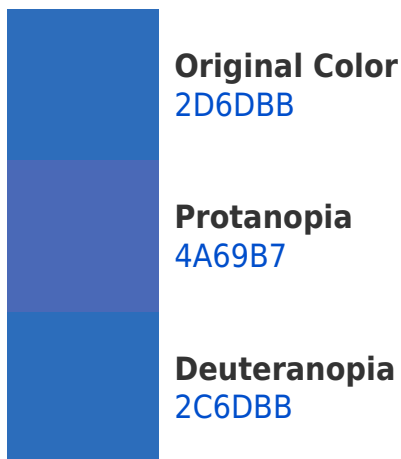


This preview shows how white text looks on a background with the Hex color 2D6DBB.

# 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](#).

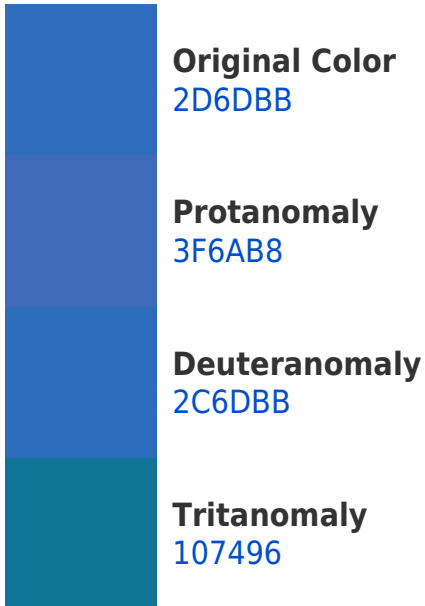
## Dichromacy



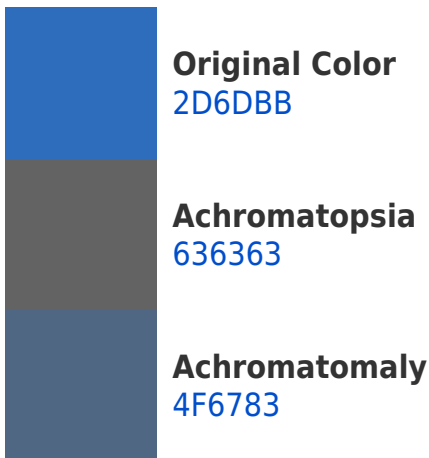


**Tritanopia**  
007881

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D6DBB 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 #2D6DBB looks like.

```
.text, #text, p{  
    color:#2D6DBB  
}
```

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 #2D6DBB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D6DBB
}
```

## Border

The CSS property to change the border of an element to Hex 2D6DBB 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
#2D6DBB }
```

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

```
.border{ border-color:#2D6DBB }
```

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

Here you see how a box with a 4 pixel #2D6DBB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D6DBB; -webkit-box-shadow:4px 4px  
4px 4px #2D6DBB; box-shadow:4px 4px 4px  
4px #2D6DBB }
```

# Background

The CSS property to change the background color of an element to Hex 2D6DBB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D6DBB }
```

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

```
.background{ background-color:#2D6DBB }
```

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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