

# Converting Colors

Hex(2868BD)

Have a look what the booklet for  
Hex(2868BD) contains.

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# Color

**Hex(2868BD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2868BD
RGB	40, 104, 189
RGB Percent	16%, 41%, 74%
CMY	0.8431, 0.5922, 0.2588
CMYK	0.79, 0.45, 0.00, 0.26
HSL	214°, 65%, 45%
HSV	214°, 79%, 74%
XYZ	15.0107, 14.0259, 50.0602
YIQ	94.5540, -65.4290, 12.8670

# Conversions

## Conversions Part 2

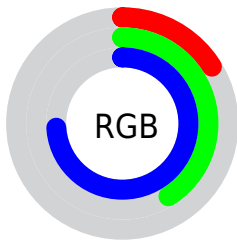
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 85, 189
Decimal	2648253
CIE <sub>Lab</sub>	44.27, 10.48, -50.45
CIE <sub>LCh</sub>	44, 51.526, 281.737
Yxy	14.0259, 0.1898, 0.1773
Android (android.graphics.Color)	4280838333 (0xFF2868BD)
YUV	94.5540, 46.5619, -47.8439
Hunter-Lab	37.4511, 6.0047, -53.0361

# Details

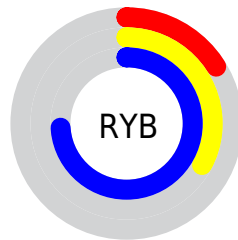
The Hex color **2868BD** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **BD7D28**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **6C9BF6**, and **003A87** is the 20% darker color. If you saturate the color by 10%, you get **155DBD**, and if you desaturate by 10%, it is **3B73BD**.

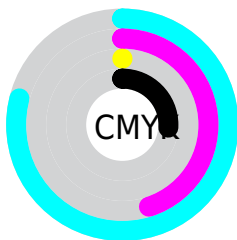
# Distribution



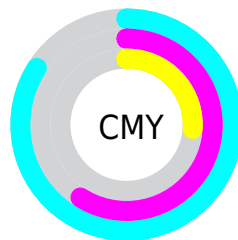
- Red (16%)
- Green (41%)
- Blue (74%)



- Red (16%)
- Yellow (33%)
- Blue (74%)



- Cyan (79%)
- Magenta (45%)
- Yellow (0%)
- Black (26%)



- Cyan (84%)
- Magenta (59%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2868BD 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 2868BD by changing the saturation by 10% instead.



■ 2868BD

■ 2868BD

FFFFFF

■ 0050A2

■ 6C9BF6

■ 003A87

■ 8AB5FF

■ 00256D

■ A7D1FF

■ 001154

■ C5EDFF

■ 00063C

■ E3FFFF

■ 000226

■ 00010E

■ 000000

■ 2868BD

■ 2868BD

■ 155DBD

■ 3B73BD

■ 0252BD

■ 4E7EBD

■ 0051BD

■ 6188BD

■ 7493BD

■ 879EBD

■ 99A9BD

■ ACB3BD

■ BFBEBD

■ D2C9BD

# Harmonies

## Analogous

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



0075BA



2868BD



8056A9

# Triad

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



2868BD



AC4B31



007B4C

# Complementary

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



2868BD



BD7D28

# 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.



3E7623



2868BD



935D0D

# Square

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



2868BD



B53E5A



6E6C00



007D79

# Rectangle

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



2868BD



9E4892



6E6C00



007A3E



# Sweetspot

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



2868BD



BAD3F5



28BD7C



57667A



FAFAFA



7A7A7A



# Same Dimension

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



2868BD



0C70F5



3228BD



55595E



00449E



000D1F



# Inverse Universe

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



BD2868



F50C70



B3BD28



5E5559



9E0044



1F000D



# Previews

## White Background



This preview shows how the Hex color 2868BD looks on a white background.

## Color Contrast Check

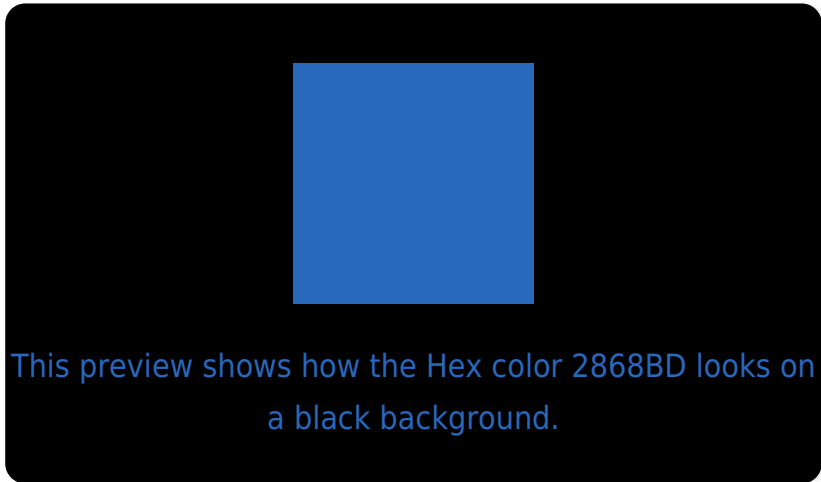
Large Text (above 18pt) WCAG AA ✓ Pass

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 2868BD Background



This preview shows how black text looks on a background with the Hex color 2868BD.

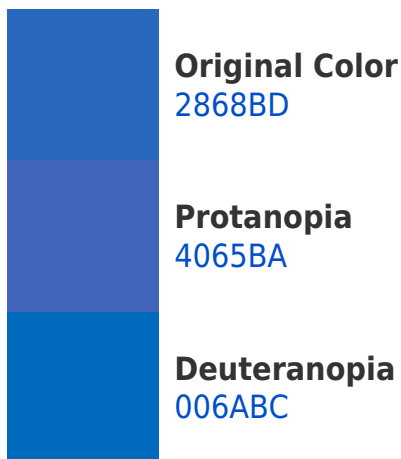


This preview shows how white text looks on a background with the Hex color 2868BD.

# 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](#).

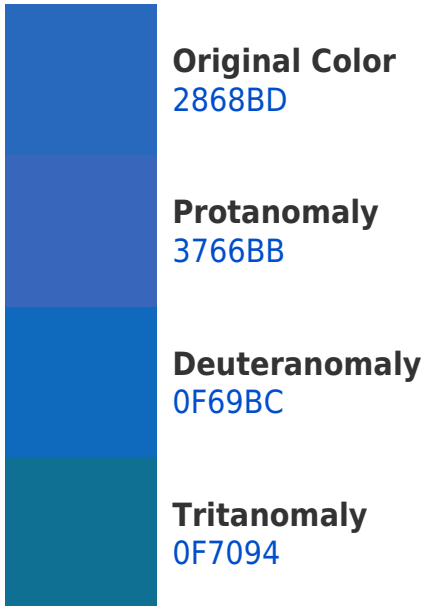
## Dichromacy



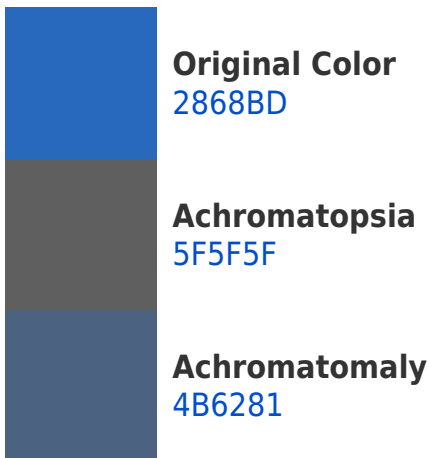


**Tritanopia**  
00747C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2868BD 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 #2868BD looks like.

```
.text, #text, p{  
    color:#2868BD  
}
```

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 #2868BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2868BD
}
```

## Border

The CSS property to change the border of an element to Hex 2868BD 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
#2868BD }
```

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

```
.border{ border-color:#2868BD }
```

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

Here you see how a box with a 4 pixel #2868BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2868BD; -webkit-box-shadow:4px 4px  
4px 4px #2868BD; box-shadow:4px 4px 4px  
4px #2868BD }
```

# Background

The CSS property to change the background color of an element to Hex 2868BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2868BD }
```

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

```
.background{ background-color:#2868BD }
```

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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