

# Converting Colors

Hex(2849DB)

Have a look what the booklet for  
Hex(2849DB) contains.

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# Color

**Hex(2849DB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2849DB
RGB	40, 73, 219
RGB Percent	16%, 29%, 86%
CMY	0.8431, 0.7137, 0.1412
CMYK	0.82, 0.67, 0.00, 0.14
HSL	229°, 71%, 51%
HSV	229°, 82%, 86%
XYZ	16.0438, 10.3307, 68.1663
YIQ	79.7770, -66.5340, 38.4100

# Conversions

## Conversions Part 2

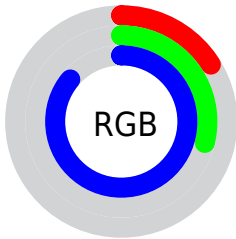
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 68, 219
Decimal	2640347
CIE <sub>Lab</sub>	38.43, 41.72, -77.25
CIE <sub>LCh</sub>	38, 87.795, 298.372
Yxy	10.3307, 0.1697, 0.1093
Android (android.graphics.Color)	4280830427 (0xFF2849DB)
YUV	79.7770, 68.6369, -34.8844
Hunter-Lab	32.1414, 32.8533, -103.2448

# Details

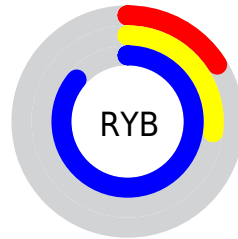
The Hex color **2849DB** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **DBBA28**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **757AFF**, and **001EA3** is the 20% darker color. If you saturate the color by 10%, you get **1237DB**, and if you desaturate by 10%, it is **3E5BDB**.

# Distribution



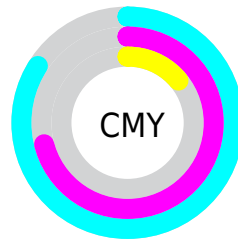
- Red (16%)
- Green (29%)
- Blue (86%)



- Red (16%)
- Yellow (27%)
- Blue (86%)



- Cyan (82%)
- Magenta (67%)
- Yellow (0%)
- Black (14%)



- Cyan (84%)
- Magenta (71%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2849DB 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 2849DB by changing the saturation by 10% instead.



 2849DB

 2849DB

FFFFFF

 0033BE

 757AFF

 001EA3

 9594FF

 000C87

 B4AEFF

 00006D

 D3CAFF

 000B54

 F3E6FF

 00063C

 000225

 00010D

 000000

■ 2849DB

■ 2849DB

■ 1237DB

■ 3E5BDB

■ 0028DB

■ 546DDB

■ 6A7FDB

■ 8090DB

■ 95A2DB

■ ABB4DB

■ C1C6DB

■ D7D8DB

■ EDEADB

# Harmonies

## Analogous

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



0067ED



2849DB



A700A7

# Triad

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



2849DB



A73100



007455

# Complementary

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



2849DB



DBBA28

# 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.



007100



2849DB



725700

# Square

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



2849DB



C8001D



246900



00759D

# Rectangle

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



2849DB



C50079



246900



00733B



# Sweetspot

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



2849DB



BFCBFF



28DBB7



596080



000000



808080



# Same Dimension

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



2849DB



0533FF



5E28DB



63656E



0020AD



00082E



# Inverse Universe

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



DB2849



FF0533



A5DB28



6E6365



AD0020

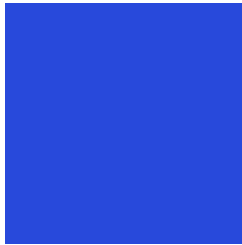


2E0008



# Previews

## White Background



This preview shows how the Hex color 2849DB looks on a white background.

## Color Contrast Check

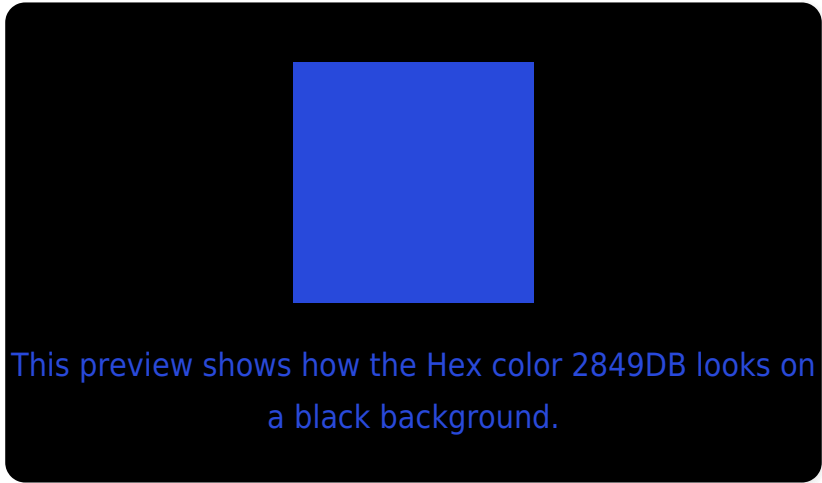
Large Text (above 18pt) WCAG AA ✓ Pass

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

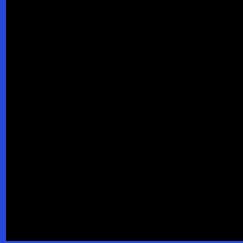
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2849DB Background



This preview shows how black text looks on a background with the Hex color 2849DB.



This preview shows how white text looks on a background with the Hex color 2849DB.

# 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



**Original Color**  
2849DB

**Protanopia**  
0057B7

**Deuteranopia**  
005C9C



**Tritanopia**  
00646A

# Trichromacy



**Original Color**  
2849DB

**Protanomaly**  
0F52C4

**Deuteranomaly**  
0F55B3

**Tritanomaly**  
0F5A93

# Monochromacy



**Original Color**  
2849DB

**Achromatopsia**  
505050

**Achromatomaly**  
414D83

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2849DB 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 #2849DB looks like.

```
.text, #text, p{  
    color:#2849DB  
}
```

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 #2849DB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2849DB
}
```

## Border

The CSS property to change the border of an element to Hex 2849DB 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
#2849DB }
```

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

```
.border{ border-color:#2849DB }
```

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

Here you see how a box with a 4 pixel #2849DB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2849DB; -webkit-box-shadow:4px 4px  
4px 4px #2849DB; box-shadow:4px 4px 4px  
4px #2849DB }
```

# Background

The CSS property to change the background color of an element to Hex 2849DB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2849DB }
```

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

```
.background{ background-color:#2849DB }
```

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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