

Converting Colors

Hex(2D4EBB)

Have a look what the booklet for
Hex(2D4EBB) contains.

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Color

Hex(2D4EBB)

Conversions

Conversions Part 1

Format	Color
Hex	2D4EBB
RGB	45, 78, 187
RGB Percent	18%, 31%, 73%
CMY	0.8235, 0.6941, 0.2667
CMYK	0.76, 0.58, 0.00, 0.27
HSL	226°, 61%, 45%
HSV	226°, 76%, 73%
XYZ	12.7762, 9.5945, 48.1923
YIQ	80.5590, -54.6570, 26.9030

Conversions

Conversions Part 2

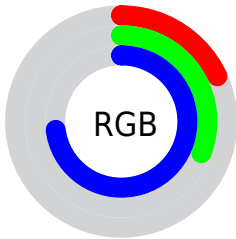
Format	Color
R_{YB}	45, 72, 187
Decimal	2969275
CIE _{Lab}	37.10, 27.23, -60.86
CIE _{LCh}	37, 66.672, 294.105
Yxy	9.5945, 0.1811, 0.1360
Android (android.graphics.Color)	4281159355 (0xFF2D4EBB)
YUV	80.5590, 52.4754, -31.1852
Hunter-Lab	30.9750, 19.4193, -70.5634

Details

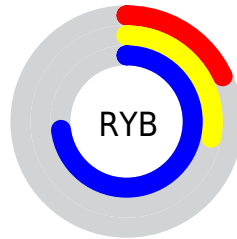
The Hex color **2D4EBB** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **BB9A2D**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **707FF4**, and **002385** is the 20% darker color. If you saturate the color by 10%, you get **1A40BB**, and if you desaturate by 10%, it is **405CBB**.

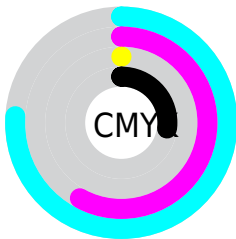
Distribution



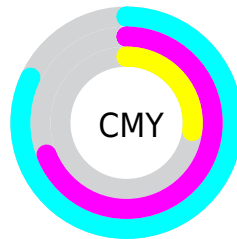
- Red (18%)
- Green (31%)
- Blue (73%)



- Red (18%)
- Yellow (28%)
- Blue (73%)



- Cyan (76%)
- Magenta (58%)
- Yellow (0%)
- Black (27%)



- Cyan (82%)
- Magenta (69%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D4EBB 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 2D4EBB by changing the saturation by 10% instead.

 2D4EBB

 2D4EBB

FFFFFF

 00389F


 707FF4

 002385

 8D98FF

 00116B

 ABB3FF

 000052

 C9CFFF

 00053A

 E7EBFF

 000223

 00000A

 000000

 2D4EBB

 2D4EBB

■ 1A40BB

■ 405CBB

■ 0831BB

■ 526BBB

■ 002BBB

■ 6579BB

■ 7887BB

■ 8B96BB

■ 9DA4BB

■ B0B2BB

■ C3C1BB

■ D5CFBB

Harmonies

Analogous

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



0062C4



2D4EBB



8B2D97

Triad

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



2D4EBB



9A3700



006D4B

Complementary

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



2D4EBB



BB9A2D

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.



00690B



2D4EBB



745200

Square

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



2D4EBB



B00730



416100



006E82

Rectangle

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



2D4EBB



A60776



416100



006C38

Sweetspot

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



2D4EBB



BBC7F2



2DBB9A



58607A



FAFAFA



7A7A7A

Same Dimension

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



2D4EBB



1649F2



532DBB



55575E



00259E



00071F

Inverse Universe

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



BB2D4E



F21649



95BB2D



5E5557



9E0025



1F0007

Previews

White Background



This preview shows how the Hex color 2D4EBB looks on a white background.

Color Contrast Check

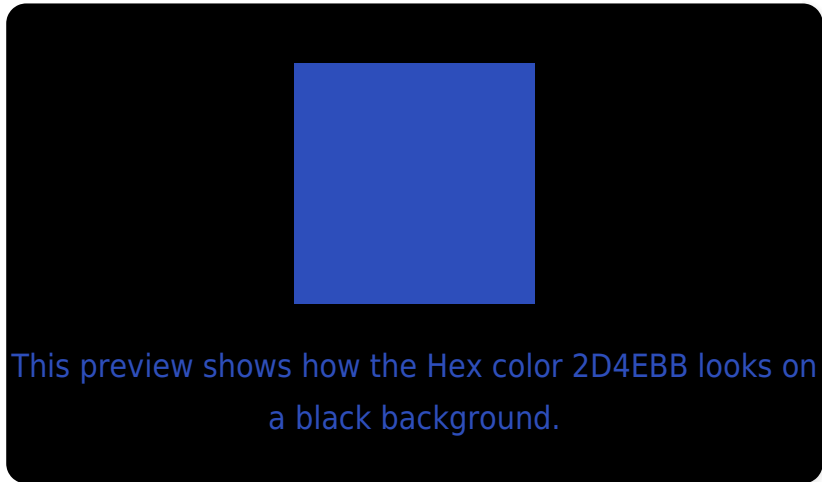
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

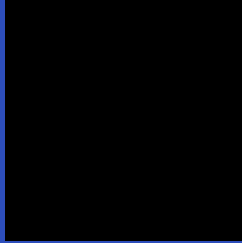
Any Text WCAG AA × Fail

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 2D4EBB Background



This preview shows how black text looks on a background with the Hex color 2D4EBB.



This preview shows how white text looks on a background with the Hex color 2D4EBB.

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

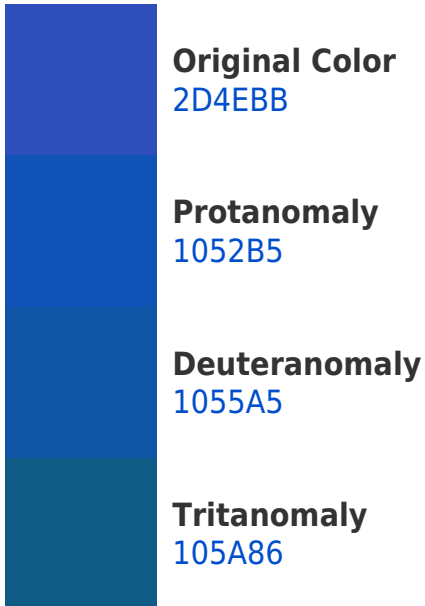


Original Color
2D4EBB

Protanopia
0054B2

Deuteranopia
005999

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2D4EBB 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 #2D4EBB looks like.

```
.text, #text, p{  
    color:#2D4EBB  
}
```

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 #2D4EBB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D4EBB
}
```

Border

The CSS property to change the border of an element to Hex 2D4EBB 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
#2D4EBB }
```

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

```
.border{ border-color:#2D4EBB }
```

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

Here you see how a box with a 4 pixel #2D4EBB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D4EBB; -webkit-box-shadow:4px 4px  
4px 4px #2D4EBB; box-shadow:4px 4px 4px  
4px #2D4EBB }
```

Background

The CSS property to change the background color of an element to Hex 2D4EBB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D4EBB }
```

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

```
.background{ background-color:#2D4EBB }
```

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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