

Converting Colors

Hex(2D33BD)

Have a look what the booklet for
Hex(2D33BD) contains.

Hex(2D33BD)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2D33BD)

Conversions

Conversions Part 1

Format	Color
Hex	2D33BD
RGB	45, 51, 189
RGB Percent	18%, 20%, 74%
CMY	0.8235, 0.8000, 0.2588
CMYK	0.76, 0.73, 0.00, 0.26
HSL	238°, 62%, 46%
HSV	238°, 76%, 74%
XYZ	11.4513, 6.5997, 48.8144
YIQ	64.9380, -47.8740, 41.6460

Conversions

Conversions Part 2

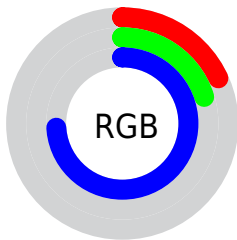
Format	Color
R_{YB}	45, 51, 189
Decimal	2962365
CIE _{Lab}	30.88, 44.89, -72.25
CIE _{LCh}	31, 85.058, 301.855
Yxy	6.5997, 0.1713, 0.0987
Android (android.graphics.Color)	4281152445 (0xFF2D33BD)
YUV	64.9380, 61.1626, -17.4856
Hunter-Lab	25.6898, 34.6098, -94.6769

Details

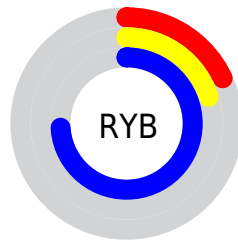
The Hex color **2D33BD** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **BDB72D**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **7263F6**, and **000786** is the 20% darker color. If you saturate the color by 10%, you get **1A21BD**, and if you desaturate by 10%, it is **4045BD**.

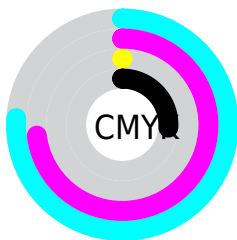
Distribution



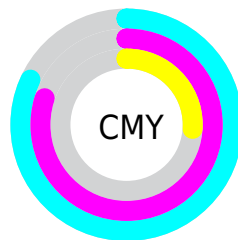
- Red (18%)
- Green (20%)
- Blue (74%)



- Red (18%)
- Yellow (20%)
- Blue (74%)



- Cyan (76%)
- Magenta (73%)
- Yellow (0%)
- Black (26%)



- Cyan (82%)
- Magenta (80%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D33BD 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 2D33BD by changing the saturation by 10% instead.

 2D33BD

 2D33BD

FFFFFF

 001DA1

 7263F6

 000786

 917CFF

 00006C

 AF96FF

 000753

 CDB1FF

 00063A

 ECCDFF

 000224

 FFE9FF

 00000C

 000000

 2D33BD

 2D33BD

■ 1A21BD

■ 4045BD

■ 070FBD

■ 5357BD

■ 0008BD

■ 6669BD

■ 797BBD

■ 8C8EBD

■ 9EA0BD

■ B1B2BD

■ C4C4BD

■ D7D6BD

Harmonies

Analogous

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



0053D2



2D33BD



950089

Triad

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



2D33BD



892600



005F4B

Complementary

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



2D33BD



BDB72D

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.



005D00



2D33BD



564800

Square

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



2D33BD



AA0005



005700



00618F

Rectangle

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



2D33BD



AE005E



005700



005F34

Sweetspot

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



2D33BD



BCBFF5



2DBDB6



585A7A



FAFAFA



7A7A7A

Same Dimension

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



2D33BD



161FF5



6E2DBD



55555E



00079E



00011F

Inverse Universe

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



BD2D33



F5161F



7CBD2D



5E5555



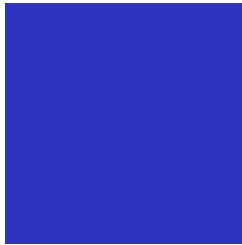
9E0007



1F0001

Previews

White Background



This preview shows how the Hex color 2D33BD looks on a white background.

Color Contrast Check

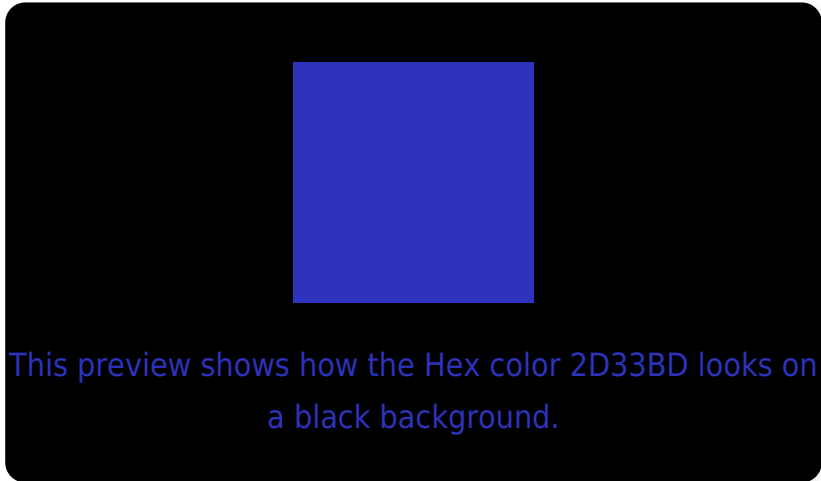
Large Text (above 18pt) WCAG AA ✓ Pass

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

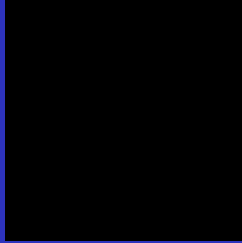
Any Text WCAG AA × Fail

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 2D33BD Background



This preview shows how black text looks on a background with the Hex color 2D33BD.



This preview shows how white text looks on a background with the Hex color 2D33BD.

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



Trichromacy



Original Color
2D33BD

Protanomaly
103FA2

Deuteranomaly
104294

Tritanomaly
10457B

Monochromacy



Original Color
2D33BD

Achromatopsia
414141

Achromatomaly
3A3C6E

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D33BD 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 #2D33BD looks like.

```
.text, #text, p{  
    color:#2D33BD  
}
```

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 #2D33BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D33BD
}
```

Border

The CSS property to change the border of an element to Hex 2D33BD 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
#2D33BD }
```

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

```
.border{ border-color:#2D33BD }
```

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

Here you see how a box with a 4 pixel #2D33BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D33BD; -webkit-box-shadow:4px 4px  
4px 4px #2D33BD; box-shadow:4px 4px 4px  
4px #2D33BD }
```

Background

The CSS property to change the background color of an element to Hex 2D33BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D33BD }
```

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

```
.background{ background-color:#2D33BD }
```

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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