

Converting Colors

Hex(2D2D7B)

Have a look what the booklet for
Hex(2D2D7B) contains.

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Color

Hex(2D2D7B)

Conversions

Conversions Part 1

Format	Color
Hex	2D2D7B
RGB	45, 45, 123
RGB Percent	18%, 18%, 48%
CMY	0.8235, 0.8235, 0.5176
CMYK	0.63, 0.63, 0.00, 0.52
HSL	240°, 46%, 33%
HSV	240°, 63%, 48%
XYZ	5.5957, 3.8647, 19.1899
YIQ	53.8920, -25.0380, 24.2580

Conversions

Conversions Part 2

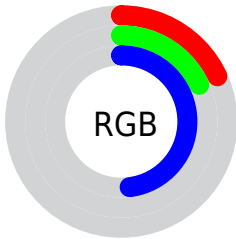
Format	Color
RYB	45, 45, 123
Decimal	2960763
CIELab	23.22, 25.46, -44.51
CIElCh	23, 51.282, 299.770
Yxy	3.8647, 0.1953, 0.1349
Android (android.graphics.Color)	4281150843 (0xFF2D2D7B)
YUV	53.8920, 34.0702, -7.7983
Hunter-Lab	19.6589, 16.4053, -44.1144

Details

The Hex color **2D2D7B** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **7B7B2D**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **645BB0**, and **000049** is the 20% darker color. If you saturate the color by 10%, you get **21217B**, and if you desaturate by 10%, it is **39397B**.

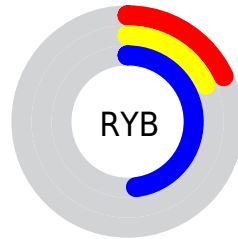
Distribution



Red (18%)

Green (18%)

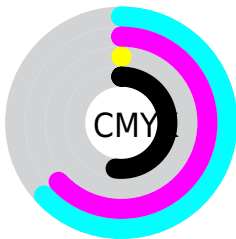
Blue (48%)



Red (18%)

Yellow (18%)

Blue (48%)

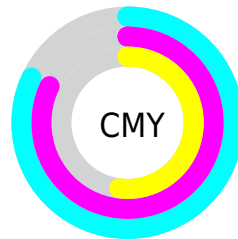


Cyan (63%)

Magenta (63%)

Yellow (0%)

Black (52%)



Cyan (82%)

Magenta (82%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D2D7B 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 2D2D7B by changing the saturation by 10% instead.

■ 2D2D7B

■ 2D2D7B

FFFFFF

■ 0A1862

■ 645BB0

■ 000049

■ 7F74CC

■ 000432

■ 9A8DE8

■ 00011C

■ B6A8FF

■ 000000

■ D3C3FF

■ F0DFFF

■ FFFBFF

■ 2D2D7B

■ 2D2D7B

■ 21217B

■ 39397B

■ 14147B

■ 46467B

■ 08087B

■ 52527B

■ 00007B

■ 5E5E7B

■ 6B6B7B

■ 77777B

■ 83837B

■ 8F8F7B

■ 9C9C7B

Harmonies

Analogous

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



003D85



2D2D7B



63115F

Triad

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



2D2D7B



622400



004736

Complementary

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



2D2D7B



7B7B2D

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.



00440B



2D2D7B



453600

Square

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



2D2D7B



740414



1F4000



00475D

Rectangle

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



2D2D7B



730046



1F4000



004628

Sweetspot

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



2D2D7B



8282A1



2D7B7B



3F3F52



D1D1D1



525252

Same Dimension

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



2D2D7B



2727A1



542D7B



37373D



00007D



0000FC

Inverse Universe

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



7B2D7B



A127A1



547B2D



3D373D



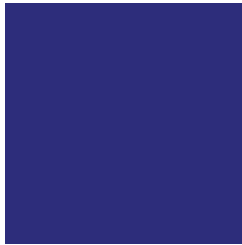
7D007D



FC00FC

Previews

White Background



This preview shows how the Hex color 2D2D7B looks on a white background.

Color Contrast Check

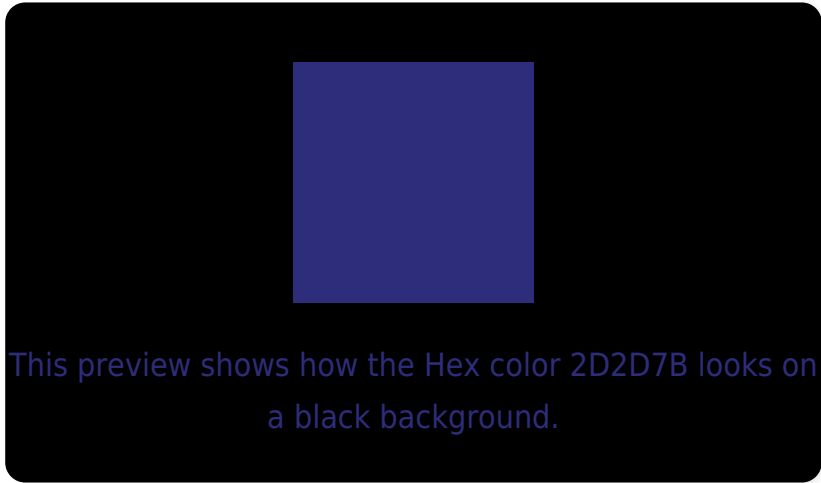
Large Text (above 18pt) WCAG AA ✓ Pass

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

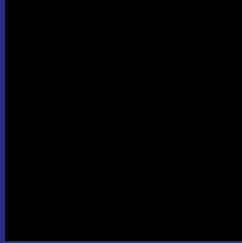
Any Text WCAG AA × Fail

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 2D2D7B Background



This preview shows how black text looks on a background with the Hex color 2D2D7B.



This preview shows how white text looks on a background with the Hex color 2D2D7B.

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
2D2D7B

Protanopia
003671

Deuteranopia
003962



Tritanopia
063E43

Trichromacy



Original Color
2D2D7B

Protanomaly
103375

Deuteranomaly
10356B

Tritanomaly
143857

Monochromacy



Original Color
2D2D7B

Achromatopsia
363636

Achromatomaly
33334F

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D2D7B 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 #2D2D7B looks like.

```
.text, #text, p{  
    color:#2D2D7B  
}
```

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 #2D2D7B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D2D7B  
}
```

Border

The CSS property to change the border of an element to Hex 2D2D7B 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  
#2D2D7B }
```

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

```
.border{ border-color:#2D2D7B }
```

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

Here you see how a box with a 4 pixel #2D2D7B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D2D7B; -webkit-box-shadow:4px 4px  
4px 4px #2D2D7B; box-shadow:4px 4px 4px  
4px #2D2D7B }
```

Background

The CSS property to change the background color of an element to Hex 2D2D7B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D2D7B }
```

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

```
.background{ background-color:#2D2D7B }
```

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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