

# Converting Colors

Hex(2D3D91)

Have a look what the booklet for  
Hex(2D3D91) contains.

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# Color

**Hex(2D3D91)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D3D91
RGB	45, 61, 145
RGB Percent	18%, 24%, 57%
CMY	0.8235, 0.7608, 0.4314
CMYK	0.69, 0.58, 0.00, 0.43
HSL	230°, 53%, 37%
HSV	230°, 69%, 57%
XYZ	7.8618, 5.9397, 27.5202
YIQ	65.7920, -36.5000, 22.7320

# Conversions

## Conversions Part 2

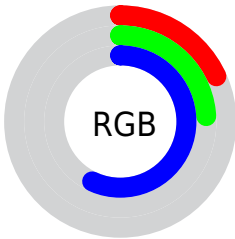
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 59, 145
Decimal	2964881
CIE <sub>Lab</sub>	29.26, 22.77, -48.42
CIE <sub>LCh</sub>	29, 53.504, 295.184
Yxy	5.9397, 0.1903, 0.1437
Android (android.graphics.Color)	4281154961 (0xFF2D3D91)
YUV	65.7920, 39.0495, -18.2346
Hunter-Lab	24.3715, 14.9304, -49.8899




# Details

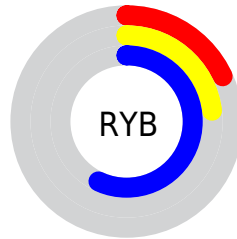
The Hex color **2D3D91** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **91812D**, and the grayscale version is **414141**.




A 20% lighter version of the original color is **676CC8**, and **00145E** is the 20% darker color. If you saturate the color by 10%, you get **1F3191**, and if you desaturate by 10%, it is **3C4991**.

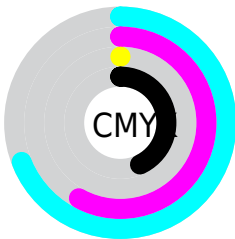
# Distribution







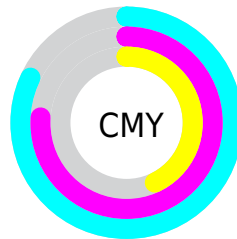
-  Red (18%)
-  Green (24%)
-  Blue (57%)






-  Red (18%)
-  Yellow (23%)
-  Blue (57%)



-  Cyan (69%)
-  Magenta (58%)
-  Yellow (0%)
-  Black (43%)



-  Cyan (82%)
-  Magenta (76%)
-  Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D3D91 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 2D3D91 by changing the saturation by 10% instead.



■ 2D3D91

■ 2D3D91

FFFFFF

■ 002777

■ 676CC8

■ 00145E

■ 8385E4

■ 000045

■ 9F9FFF

■ 00042E

■ BCBAFF

■ 000118

■ D9D6FF

■ 000000

■ F6F2FF

■ 2D3D91

■ 2D3D91

■ 1F3191

■ 3C4991

■ 102591

■ 4A5591

■ 021891

■ 596291

■ 001791

■ 676E91

■ 767A91

■ 848691

■ 939291

■ A19E91

■ B0AB91

# Harmonies

## Analogous

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



004C99



2D3D91



6F2475

# Triad

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



2D3D91



782E00



00563D

# Complementary

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



2D3D91



91812D

# 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.



00530F



2D3D91



5B4100

# Square

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



2D3D91



8A1225



344D00



005667

# Rectangle

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



2D3D91



83105B



344D00



00552E



# Sweetspot

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



2D3D91



959BBD



2D9180



474B5E



DEDEDE



5E5E5E



# Same Dimension

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



2D3D91



2039BD



4E2D91



404147



001687



000108



# Inverse Universe

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



912D3D



BD2039



70912D



474041



870016



080001



# Previews

## White Background



This preview shows how the Hex color 2D3D91 looks on a white background.

## Color Contrast Check

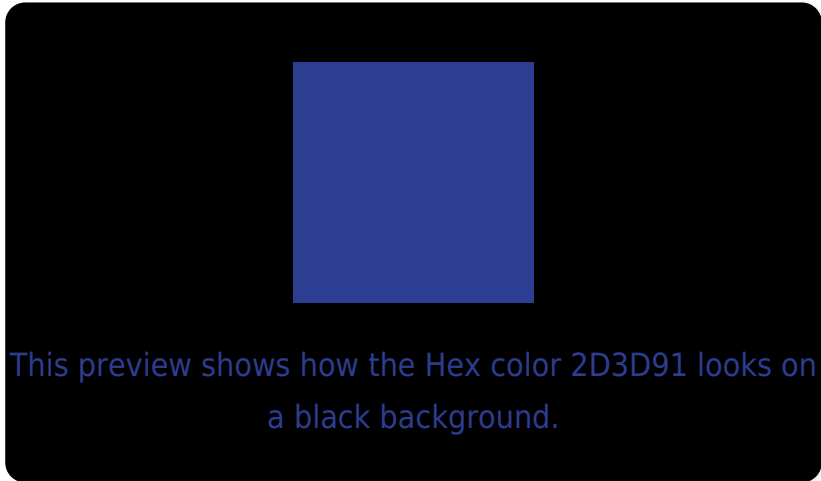
Large Text (above 18pt) WCAG AA ✓ Pass

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

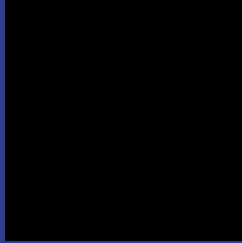
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D3D91 Background



This preview shows how black text looks on a background with the Hex color 2D3D91.



This preview shows how white text looks on a background with the Hex color 2D3D91.

# 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**  
2D3D91

**Protanopia**  
00428D

**Deuteranopia**  
00477A



# Trichromacy



**Original Color**  
2D3D91

**Protanomaly**  
10408E

**Deuteranomaly**  
104382

**Tritanomaly**  
104769

# Monochromacy



**Original Color**  
2D3D91

**Achromatopsia**  
424242

**Achromatomaly**  
3A405F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D3D91 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 #2D3D91 looks like.

```
.text, #text, p{  
    color:#2D3D91  
}
```

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 #2D3D91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D3D91
}
```

## Border

The CSS property to change the border of an element to Hex 2D3D91 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
#2D3D91 }
```

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

```
.border{ border-color:#2D3D91 }
```

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

Here you see how a box with a 4 pixel #2D3D91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D3D91; -webkit-box-shadow:4px 4px  
4px 4px #2D3D91; box-shadow:4px 4px 4px  
4px #2D3D91 }
```

# Background

The CSS property to change the background color of an element to Hex 2D3D91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D3D91 }
```

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

```
.background{ background-color:#2D3D91 }
```

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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