

Converting Colors

Hex(2D3E91)

Have a look what the booklet for
Hex(2D3E91) contains.

| | |
|--|----|
| Hex(2D3E91) | 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(2D3E91)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 2D3E91 |
| RGB | 45, 62, 145 |
| RGB Percent | 18%, 24%, 57% |
| CMY | 0.8235, 0.7569, 0.4314 |
| CMYK | 0.69, 0.57, 0.00, 0.43 |
| HSL | 230°, 53%, 37% |
| HSV | 230°, 69%, 57% |
| XYZ | 7.9156, 6.0475, 27.5381 |
| YIQ | 66.3790, -36.7750, 22.2090 |

Conversions

Conversions Part 2

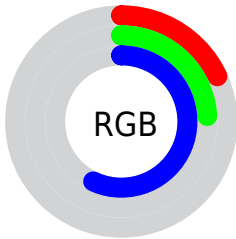
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 45, 60, 145 |
| Decimal | 2965137 |
| CIE _{Lab} | 29.53, 22.09, -47.98 |
| CIE _{LCh} | 30, 52.818, 294.724 |
| Yxy | 6.0475, 0.1907, 0.1457 |
| Android (android.graphics.Color) | 4281155217 (0xFF2D3E91) |
| YUV | 66.3790, 38.7602, -18.7494 |
| Hunter-Lab | 24.5916, 14.4210, -49.1799 |




Details

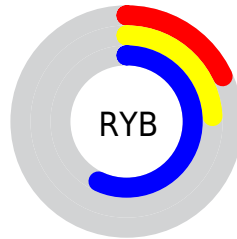
The Hex color **2D3E91** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **91802D**, and the grayscale version is **424242**.




A 20% lighter version of the original color is **676DC8**, and **00155E** is the 20% darker color. If you saturate the color by 10%, you get **1F3291**, and if you desaturate by 10%, it is **3C4A91**.

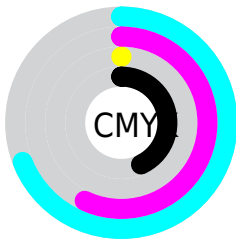
Distribution







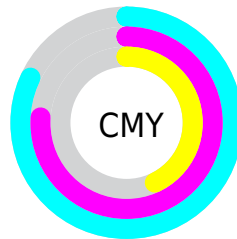
-  Red (18%)
-  Green (24%)
-  Blue (57%)






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



-  Cyan (69%)
-  Magenta (57%)
-  Yellow (0%)
-  Black (43%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 2D3E91 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 2D3E91 by changing the saturation by 10% instead.

■ 2D3E91

■ 2D3E91

FFFFFF

■ 002877

■ 676DC8

■ 00155E

■ 8386E4

■ 000045

■ 9FA1FF

■ 00042E

■ BCBCFF

■ 000118

■ D9D7FF

■ 000000

■ F6F4FF

■ 2D3E91

■ 2D3E91

■ 1F3291

■ 3C4A91

■ 102691

■ 4A5691

■ 021A91

■ 596291

■ 001991

■ 676E91

■ 767A91

■ 848691

■ 939291

■ A19E91

■ B0AA91

Harmonies

Analogous

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



004D98



2D3E91



6E2676

Triad

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



2D3E91



792E00



00563D

Complementary

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



2D3E91



91802D

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.



005410



2D3E91



5C4100

Square

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



2D3E91



8A1426



354D00



005767

Rectangle

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



2D3E91



83135C



354D00



00562E

Sweetspot

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



2D3E91



959CBD



2D917F



474B5E



DEDEDE



5E5E5E

Same Dimension

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



2D3E91



203BBD



4D2D91



404147



001787



000108

Inverse Universe

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



912D3E



BD203B



71912D



474041



870017



080001

Previews

White Background



This preview shows how the Hex color 2D3E91 looks on a white background.

Color Contrast Check

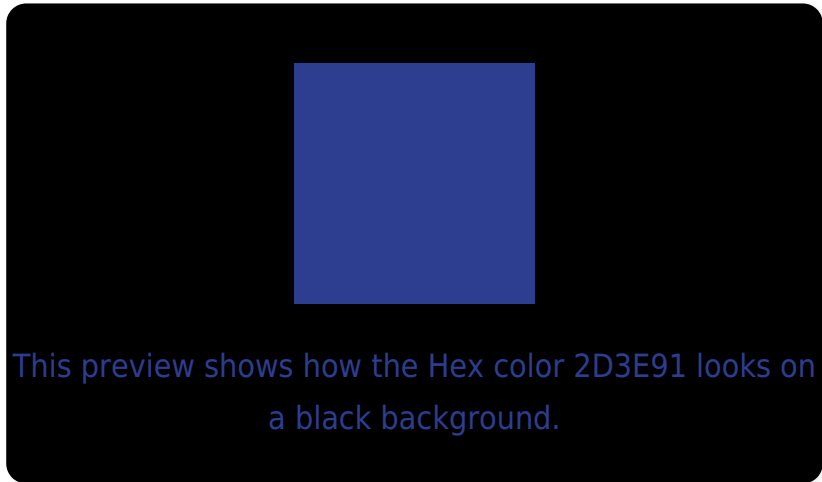
Large Text (above 18pt) WCAG AA ✓ Pass

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

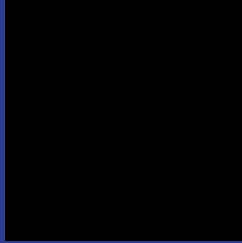
Any Text WCAG AA × Fail

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 2D3E91 Background



This preview shows how black text looks on a background with the Hex color 2D3E91.



This preview shows how white text looks on a background with the Hex color 2D3E91.

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
2D3E91

Protanopia
00438E

Deuteranopia
00477B



Tritanopia
004D53

Trichromacy



Original Color
2D3E91

Protanomaly
10418F

Deuteranomaly
104483

Tritanomaly
10486A

Monochromacy



Original Color
2D3E91

Achromatopsia
424242

Achromatomaly
3A415F

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D3E91 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 #2D3E91 looks like.

```
.text, #text, p{  
    color:#2D3E91  
}
```

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 #2D3E91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D3E91
}
```

Border

The CSS property to change the border of an element to Hex 2D3E91 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
#2D3E91 }
```

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

```
.border{ border-color:#2D3E91 }
```

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

Here you see how a box with a 4 pixel #2D3E91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D3E91; -webkit-box-shadow:4px 4px  
4px 4px #2D3E91; box-shadow:4px 4px 4px  
4px #2D3E91 }
```

Background

The CSS property to change the background color of an element to Hex 2D3E91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D3E91 }
```

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

```
.background{ background-color:#2D3E91 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor