

Converting Colors

Hex(2D345C)

Have a look what the booklet for
Hex(2D345C) contains.

Hex(2D345C)	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(2D345C)

Conversions

Conversions Part 1

Format	Color
Hex	2D345C
RGB	45, 52, 92
RGB Percent	18%, 20%, 36%
CMY	0.8235, 0.7961, 0.6392
CMYK	0.51, 0.43, 0.00, 0.64
HSL	231°, 34%, 27%
HSV	231°, 51%, 36%
XYZ	4.2419, 3.7866, 10.6325
YIQ	54.4670, -17.0120, 10.9560

Conversions

Conversions Part 2

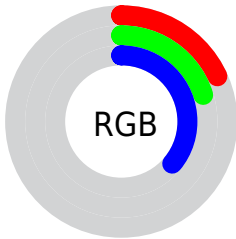
Format	Color
R _Y B	45, 51, 92
Decimal	2962524
CIE Lab	22.95, 9.46, -24.94
CIE LCh	23, 26.671, 290.764
Yxy	3.7866, 0.2273, 0.2029
Android (android.graphics.Color)	4281152604 (0xFF2D345C)
YUV	54.4670, 18.5038, -8.3026
Hunter-Lab	19.4591, 4.8582, -18.7748




Details

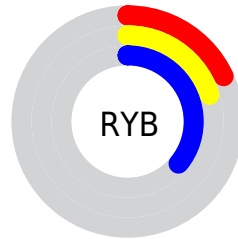
The Hex color **2D345C** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **5C552D**, and the grayscale version is **363636**.



A 20% lighter version of the original color is **5E628F**, and **00062E** is the 20% darker color. If you saturate the color by 10%, you get **242C5C**, and if you desaturate by 10%, it is **363C5C**.

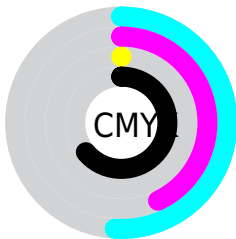
Distribution







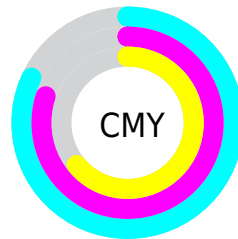
-  Red (18%)
-  Green (20%)
-  Blue (36%)






-  Red (18%)
-  Yellow (20%)
-  Blue (36%)



-  Cyan (51%)
-  Magenta (43%)
-  Yellow (0%)
-  Black (64%)



-  Cyan (82%)
-  Magenta (80%)
-  Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D345C 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 2D345C by changing the saturation by 10% instead.

■ 2D345C

■ 2D345C

FFFFFF

■ 151F44

■ 5E628F

■ 00062E

■ 777BA9

■ 000119

■ 9295C4

■ 000000

■ ADAFE1

■ C8CBFD

■ E5E7FF

■ 2D345C

■ 2D345C

■ 242C5C

■ 363C5C

■ 1B245C

■ 3F445C

■ 111D5C

■ 494B5C

■ 08155C

■ 52535C

■ 000E5C

■ 5B5B5C

■ 64635C

■ 6D6B5C

■ 77735C

■ 807A5C

Harmonies

Analogous

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



003B5E



2D345C



492C50

Triad

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



2D345C



552C18



004030

Complementary

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



2D345C



5C552D

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.



1C3E1C



2D345C



47340E

Square

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



2D345C



5B262A



343A0F



004044

Rectangle

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



2D345C



542744



343A0F



004029

Sweetspot

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



2D345C



666978



2D5C55



32343D



BDBDBD



3D3D3D

Same Dimension

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



2D345C



2F3A78



3D2D5C



292A2E



00106E



0023ED

Inverse Universe

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



5C2D34



782F3A



4C5C2D



2E292A



6E0010



ED0023

Previews

White Background



This preview shows how the Hex color 2D345C looks on a white background.

Color Contrast Check

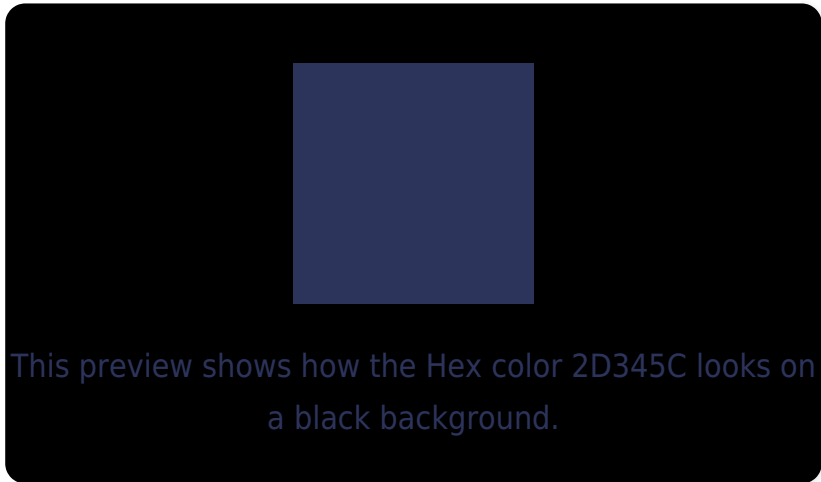
Large Text (above 18pt) WCAG AA ✓ Pass

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

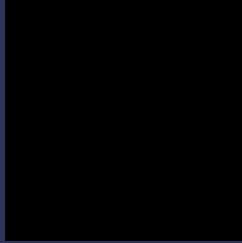
Any Text WCAG AA × Fail

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 2D345C Background



This preview shows how black text looks on a background with the Hex color 2D345C.



This preview shows how white text looks on a background with the Hex color 2D345C.

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
2D345C

Protanopia
26355D

Deuteranopia
1E375B



Tritanopia
243A3F

Trichromacy



Original Color

2D345C

Protanomaly

29355D

Deuteranomaly

23365B

Tritanomaly

27384A

Monochromacy



Original Color

2D345C

Achromatopsia

363636

Achromatomaly

333544

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D345C 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 #2D345C looks like.

```
.text, #text, p{  
    color:#2D345C  
}
```

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 #2D345C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D345C
}
```

Border

The CSS property to change the border of an element to Hex 2D345C is called "border". The border property can be set on classes, ids or directly on the HTML element.

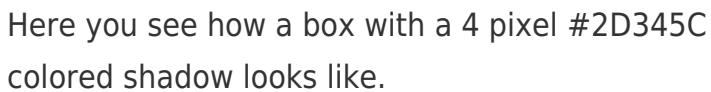
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D345C }
```

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

```
.border{ border-color:#2D345C }
```

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



Here you see how a box with a 4 pixel #2D345C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D345C; -webkit-box-shadow:4px 4px  
4px 4px #2D345C; box-shadow:4px 4px 4px  
4px #2D345C }
```

Background

The CSS property to change the background color of an element to Hex 2D345C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D345C }
```

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

```
.background{ background-color:#2D345C }
```

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