

Converting Colors

Hex(2D5A9F)

Have a look what the booklet for
Hex(2D5A9F) contains.

Hex(2D5A9F)	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(2D5A9F)

Conversions

Conversions Part 1

Format	Color
Hex	2D5A9F
RGB	45, 90, 159
RGB Percent	18%, 35%, 62%
CMY	0.8235, 0.6471, 0.3765
CMYK	0.72, 0.43, 0.00, 0.38
HSL	216°, 56%, 40%
HSV	216°, 72%, 62%
XYZ	10.9964, 10.3734, 34.2236
YIQ	84.4110, -48.9690, 11.9190

Conversions

Conversions Part 2

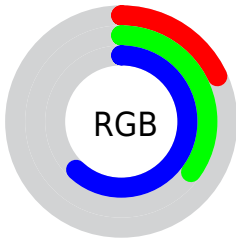
Format	Color
RYB	45, 77, 159
Decimal	2972319
CIELab	38.50, 8.70, -42.01
CIELCh	39, 42.902, 281.703
Yxy	10.3734, 0.1978, 0.1866
Android (android.graphics.Color)	4281162399 (0xFF2D5A9F)
YUV	84.4110, 36.7724, -34.5634
Hunter-Lab	32.2078, 4.5797, -40.4553

Details

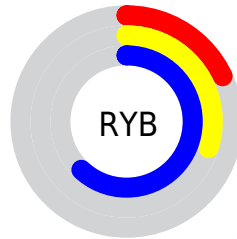
The Hex color **2D5A9F** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **9F722D**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **698CD6**, and **002D6B** is the 20% darker color. If you saturate the color by 10%, you get **1D509F**, and if you desaturate by 10%, it is **3D649F**.

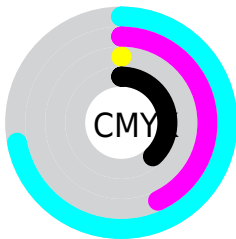
Distribution



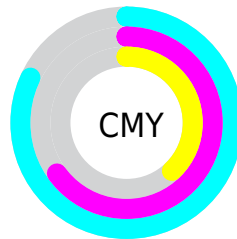
- Red (18%)
- Green (35%)
- Blue (62%)



- Red (18%)
- Yellow (30%)
- Blue (62%)



- Cyan (72%)
- Magenta (43%)
- Yellow (0%)
- Black (38%)



- Cyan (82%)
- Magenta (65%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D5A9F 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 2D5A9F by changing the saturation by 10% instead.

■ 2D5A9F

■ 2D5A9F

FFFFFF

■ 004385

■ 698CD6

■ 002D6B

■ 85A6F3

■ 001A52

■ A2C1FF

■ 00043B

■ BEDDFF

■ 000224

■ DBF9FF

■ 00000C

■ F9FFFF

■ 000000

■ 2D5A9F

■ 2D5A9F

■ 1D509F

■ 3D649F

0D479F

4D6D9F

003F9F

5D779F

6D809F

7D8A9F

8C949F

9C9D9F

ACA79F

BCB19F

Harmonies

Analogous

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



00649D



2D5A9F



6E4B8F

Triad

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



2D5A9F



93432E



006A44

Complementary

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



2D5A9F



9F722D

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.



396523



2D5A9F



7E5114

Square

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



2D5A9F



9A394E



605D0D



006B68

Rectangle

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



2D5A9F



86417C



605D0D



086938

Sweetspot

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



2D5A9F



A1B3CF



2D9F71



4D5869



E8E8E8



696969

Same Dimension

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



2D5A9F



1D63CF



382D9F



474A4F



00388F



00060F

Inverse Universe

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



9F2D5A



CF1D63



949F2D



4F474A



8F0038



0F0006

Previews

White Background



This preview shows how the Hex color 2D5A9F looks on a white background.

Color Contrast Check

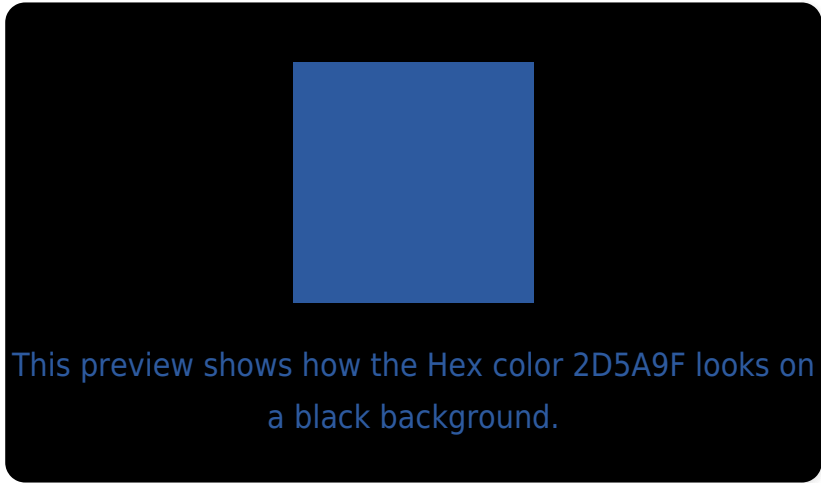
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 2D5A9F Background



This preview shows how black text looks on a background with the Hex color 2D5A9F.



This preview shows how white text looks on a background with the Hex color 2D5A9F.

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](#).

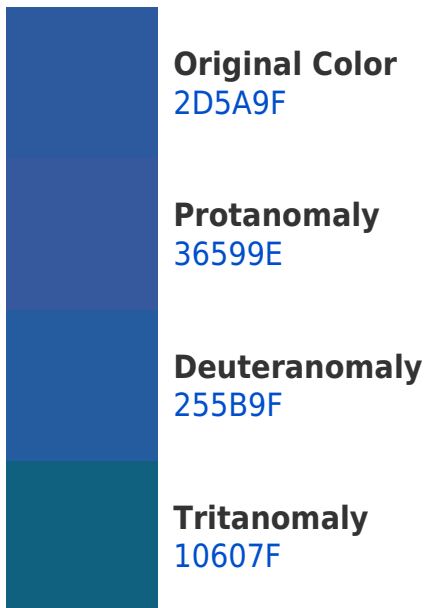
Dichromacy





Tritanopia
00646C

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2D5A9F 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 #2D5A9F looks like.

```
.text, #text, p{  
    color:#2D5A9F  
}
```

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 #2D5A9F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D5A9F
}
```

Border

The CSS property to change the border of an element to Hex 2D5A9F 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
#2D5A9F }
```

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

```
.border{ border-color:#2D5A9F }
```

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

Here you see how a box with a 4 pixel #2D5A9F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D5A9F; -webkit-box-shadow:4px 4px  
4px 4px #2D5A9F; box-shadow:4px 4px 4px  
4px #2D5A9F }
```

Background

The CSS property to change the background color of an element to Hex 2D5A9F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D5A9F }
```

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

```
.background{ background-color:#2D5A9F }
```

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