

# Converting Colors

Hex(2D598B)

Have a look what the booklet for  
Hex(2D598B) contains.

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# Color

**Hex(2D598B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D598B
RGB	45, 89, 139
RGB Percent	18%, 35%, 55%
CMY	0.8235, 0.6510, 0.4549
CMYK	0.68, 0.36, 0.00, 0.45
HSL	212°, 51%, 36%
HSV	212°, 68%, 55%
XYZ	9.3148, 9.5667, 25.7817
YIQ	81.5440, -42.2740, 6.2220

# Conversions

## Conversions Part 2

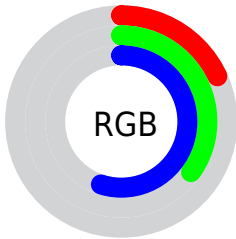
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 75, 139
Decimal	2972043
CIELab	37.05, 1.85, -32.26
CIELCh	37, 32.313, 273.273
Yxy	9.5667, 0.2086, 0.2142
Android (android.graphics.Color)	4281162123 (0xFF2D598B)
YUV	81.5440, 28.3258, -32.0491
Hunter-Lab	30.9301, -0.3715, -27.7699

# Details

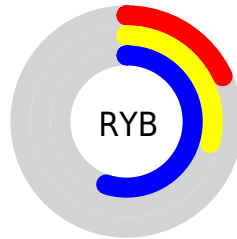
The Hex color **2D598B** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8B5F2D**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **658BC1**, and **002C59** is the 20% darker color. If you saturate the color by 10%, you get **1F528B**, and if you desaturate by 10%, it is **3B608B**.

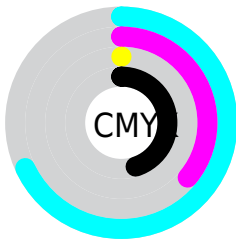
# Distribution



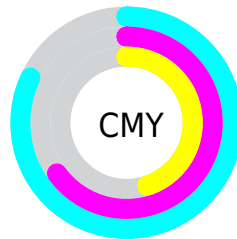
- Red (18%)
- Green (35%)
- Blue (55%)



- Red (18%)
- Yellow (29%)
- Blue (55%)



- Cyan (68%)
- Magenta (36%)
- Yellow (0%)
- Black (45%)



- Cyan (82%)
- Magenta (65%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D598B 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 2D598B by changing the saturation by 10% instead.



■ 2D598B

■ 2D598B

FFFFFF

■ 064271

■ 658BC1

■ 002C59

■ 80A5DD

■ 001841

■ 9CC0FA

■ 00032A

■ B8DCFF

■ 000115

■ D5F8FF

■ 000000

■ F2FFFF

■ 2D598B

■ 2D598B

■ 1F528B

■ 3B608B

■ 114A8B

■ 49688B

■ 03438B

■ 576F8B

■ 00418B

■ 65778B

■ 737E8B

■ 80858B

■ 8E8D8B

■ 9C948B

■ AA9C8B

# Harmonies

## Analogous

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



006085



2D598B



5D4F83

# Triad

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



2D598B



86443C



25623F

# Complementary

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



2D598B



8B5F2D

# 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.



495E2A



2D598B



794D29

# Square

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



2D598B



874155



645721



006459

# Rectangle

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



2D598B



724877



645721



336137



# Sweetspot

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



2D598B



91A2B5



2D8B5E



46505C



DBDBDB



5C5C5C



# Same Dimension

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



2D598B



2267B5



2F2D8B



3E4145



003E85



000205



# Inverse Universe

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



8B2D59



B52267



898B2D



453E41



85003E



050002



# Previews

## White Background



This preview shows how the Hex color 2D598B looks on a white background.

## Color Contrast Check

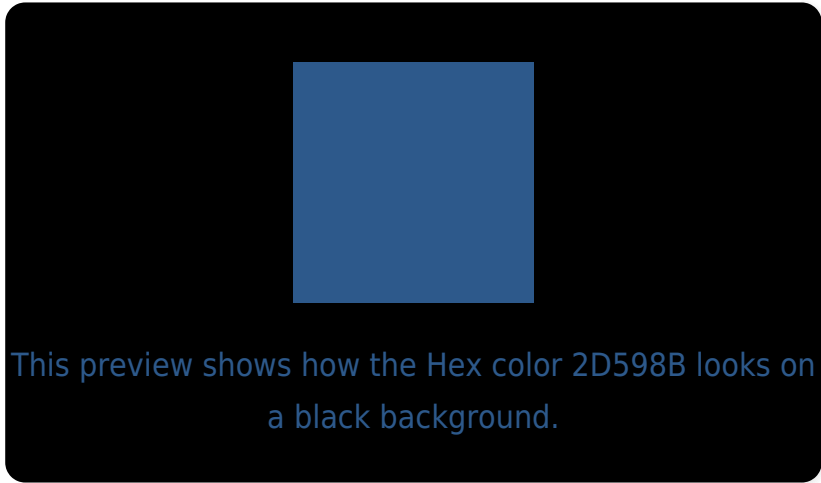
Large Text (above 18pt) WCAG AA ✓ Pass

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 2D598B Background



This preview shows how black text looks on a background with the Hex color 2D598B.



This preview shows how white text looks on a background with the Hex color 2D598B.

# 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**  
2D598B

**Protanopia**  
445588

**Deuteranopia**  
38578B



**Tritanopia**  
146068

# Trichromacy



**Original Color**  
2D598B

**Protanomaly**  
3C5689

**Deuteranomaly**  
34588B

**Tritanomaly**  
1D5D75

# Monochromacy



**Original Color**  
2D598B

**Achromatopsia**  
525252

**Achromatomaly**  
455567

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D598B 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 #2D598B looks like.

```
.text, #text, p{  
    color:#2D598B  
}
```

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 #2D598B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D598B
}
```

## Border

The CSS property to change the border of an element to Hex 2D598B 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
#2D598B }
```

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

```
.border{ border-color:#2D598B }
```

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

Here you see how a box with a 4 pixel #2D598B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D598B; -webkit-box-shadow:4px 4px  
4px 4px #2D598B; box-shadow:4px 4px 4px  
4px #2D598B }
```

# Background

The CSS property to change the background color of an element to Hex 2D598B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D598B }
```

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

```
.background{ background-color:#2D598B }
```

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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