

# Converting Colors

Hex(2D4894)

Have a look what the booklet for  
Hex(2D4894) contains.

<b>Hex(2D4894)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(2D4894)

# Conversions

## Conversions Part 1

Format	Color
Hex	2D4894
RGB	45, 72, 148
RGB Percent	18%, 28%, 58%
CMY	0.8235, 0.7176, 0.4196
CMYK	0.70, 0.51, 0.00, 0.42
HSL	224°, 53%, 38%
HSV	224°, 70%, 58%
XYZ	8.7448, 7.3307, 28.9710
YIQ	72.5910, -40.4880, 17.9120

# Conversions

## Conversions Part 2

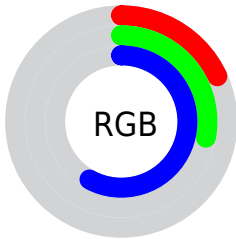
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 66, 148
Decimal	2967700
CIE <sub>Lab</sub>	32.55, 16.46, -44.93
CIE <sub>LCh</sub>	33, 47.854, 290.122
Yxy	7.3307, 0.1941, 0.1627
Android (android.graphics.Color)	4281157780 (0xFF2D4894)
YUV	72.5910, 37.1766, -24.1973
Hunter-Lab	27.0753, 10.2705, -44.4885

# Details

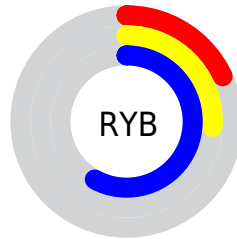
The Hex color **2D4894** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **94792D**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **6778CB**, and **001E60** is the 20% darker color. If you saturate the color by 10%, you get **1E3D94**, and if you desaturate by 10%, it is **3C5394**.

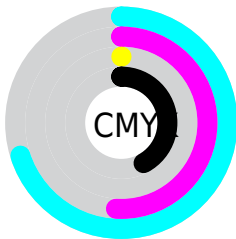
# Distribution



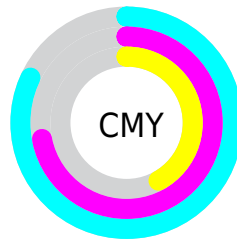
- Red (18%)
- Green (28%)
- Blue (58%)



- Red (18%)
- Yellow (26%)
- Blue (58%)



- Cyan (70%)
- Magenta (51%)
- Yellow (0%)
- Black (42%)



- Cyan (82%)
- Magenta (72%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D4894 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 2D4894 by changing the saturation by 10% instead.



■ 2D4894

■ 2D4894

FFFFFF

■ 00327A

■ 6778CB

■ 001E60

■ 8392E7

■ 000548

■ 9FACFF

■ 000431

■ BCC7FF

■ 00011B

■ D9E3FF

■ 000000

■ F6FFFF

■ 2D4894

■ 2D4894

■ 1E3D94

■ 3C5394

■ 0F3294

■ 4B5E94

■ 012794

■ 596994

■ 002794

■ 687494

■ 777F94

■ 868A94

■ 959494

■ A39F94

■ B2AA94

# Harmonies

## Analogous

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



005597



2D4894



6D367D

# Triad

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



2D4894



813611



005D3E

# Complementary

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



2D4894



94792D

# 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.



0C5917



2D4894



684600

# Square

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



2D4894



8E2535



455200



005D66

# Rectangle

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



2D4894



822967



455200



005C31



# Sweetspot

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



2D4894



97A2BF



2D9479



494F61



E0E0E0



616161



# Same Dimension

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



2D4894



1F49BF



452D94



43444A



00248A



00030A



# Inverse Universe

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



942D48



BF1F49



7C942D



4A4344



8A0024



0A0003



# Previews

## White Background



This preview shows how the Hex color 2D4894 looks on a white background.

## Color Contrast Check

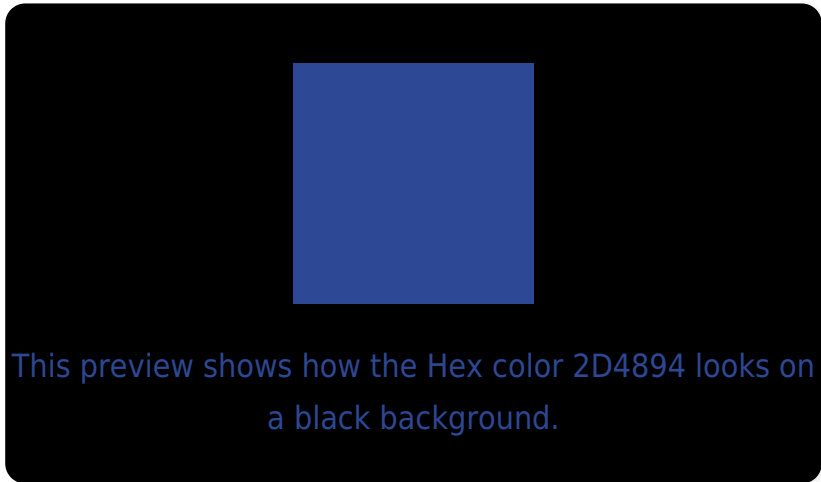
Large Text (above 18pt) WCAG AA ✓ Pass

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

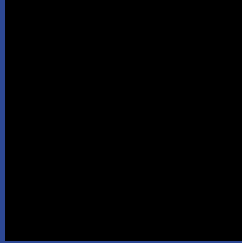
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D4894 Background



This preview shows how black text looks on a background with the Hex color 2D4894.



This preview shows how white text looks on a background with the Hex color 2D4894.

# 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**  
2D4894

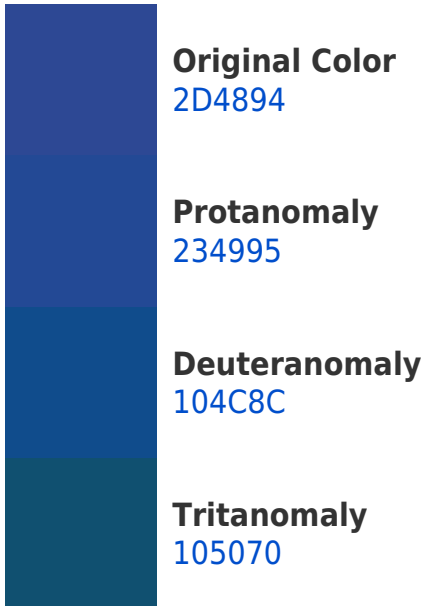
**Protanopia**  
1D4A96

**Deuteranopia**  
004E88



**Tritanopia**  
00555B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D4894 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 #2D4894 looks like.

```
.text, #text, p{  
    color:#2D4894  
}
```

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 #2D4894 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D4894
}
```

## Border

The CSS property to change the border of an element to Hex 2D4894 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
#2D4894 }
```

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

```
.border{ border-color:#2D4894 }
```

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

Here you see how a box with a 4 pixel #2D4894 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D4894; -webkit-box-shadow:4px 4px  
4px 4px #2D4894; box-shadow:4px 4px 4px  
4px #2D4894 }
```

# Background

The CSS property to change the background color of an element to Hex 2D4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D4894 }
```

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

```
.background{ background-color:#2D4894 }
```

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