

# Converting Colors

Hex(41228F)

Have a look what the booklet for  
Hex(41228F) contains.

<b>Hex(41228F)</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(41228F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	41228F
RGB	65, 34, 143
RGB Percent	25%, 13%, 56%
CMY	0.7451, 0.8667, 0.4392
CMYK	0.55, 0.76, 0.00, 0.44
HSL	257°, 62%, 35%
HSV	257°, 76%, 56%
XYZ	7.7099, 4.2510, 26.4008
YIQ	55.6950, -16.5130, 40.4710

# Conversions

## Conversions Part 2

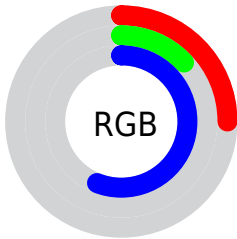
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	65, 34, 143
Decimal	4268687
CIE <sub>Lab</sub>	24.48, 41.94, -54.91
CIE <sub>LCh</sub>	24, 69.096, 307.370
Yxy	4.2510, 0.2010, 0.1108
Android (android.graphics.Color)	4282458767 (0xFF41228F)
YUV	55.6950, 43.0414, 8.1605
Hunter-Lab	20.6181, 30.6668, -61.4863

# Details

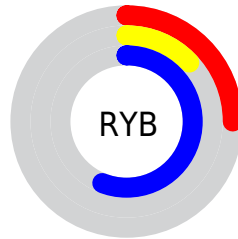
The Hex color **41228F** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **708F22**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **7952C6**, and **00005B** is the 20% darker color. If you saturate the color by 10%, you get **37148F**, and if you desaturate by 10%, it is **4B308F**.

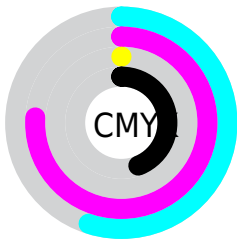
# Distribution



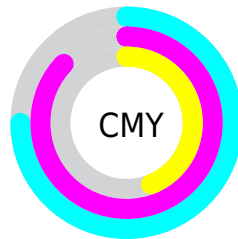
- Red (25%)
- Green (13%)
- Blue (56%)



- Red (25%)
- Yellow (13%)
- Blue (56%)



- Cyan (55%)
- Magenta (76%)
- Yellow (0%)
- Black (44%)



- Cyan (75%)
- Magenta (87%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 41228F 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 41228F by changing the saturation by 10% instead.



 41228F

 41228F

FFFFFF

 220975

 7952C6

 00005B

 956BE2

 000043

 B185FF

 00032C

 CEA0FF


 000116

 ECBBFF

 000000

 FFD7FF

 FFF4FF

 41228F

 41228F

■ 37148F

■ 4B308F

■ 2D058F

■ 553F8F

■ 29008F

■ 604D8F

■ 6A5B8F

■ 746A8F

■ 7E788F

■ 89868F

■ 93948F

■ 9DA38F

# Harmonies

## Analogous

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



003FA5



41228F



7E0063

# Triad

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



41228F



672700



004D46

# Complementary

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



41228F



708F22

# 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.



004B0C



41228F



3D3D00

# Square

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



41228F



840000



004700



004D79

# Rectangle

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



41228F



8C0041



004700



004C34



# Sweetspot

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



41228F



9C8FBA



22708F



4B445E



DEDEDE



5E5E5E



# Same Dimension

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



41228F



4111BA



77228F



424047



260087



020008



# Inverse Universe

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



8F2270



BA118A



3A8F22



474045



870061

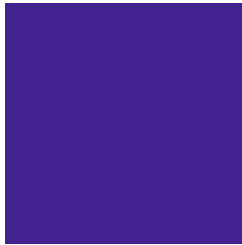


080005



# Previews

## White Background



This preview shows how the Hex color 41228F looks on a white background.

## Color Contrast Check

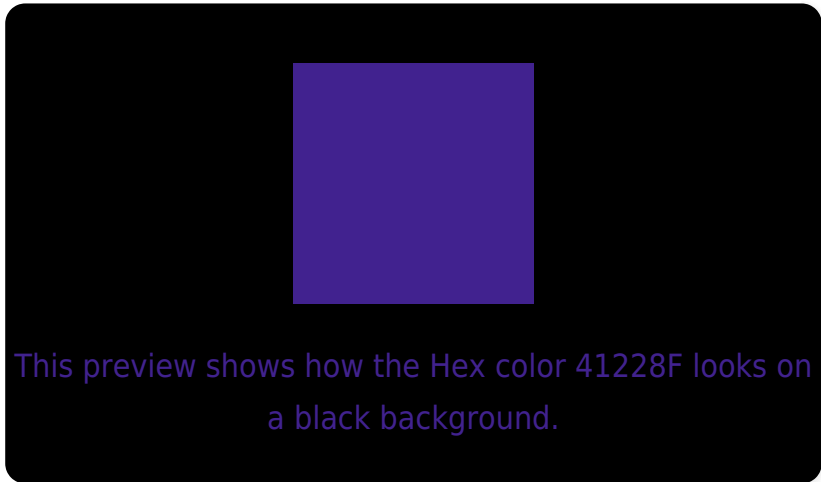
Large Text (above 18pt) WCAG AA ✓ Pass

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

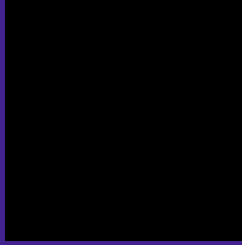
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 41228F Background



This preview shows how black text looks on a background with the Hex color 41228F.



This preview shows how white text looks on a background with the Hex color 41228F.

# 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](#).

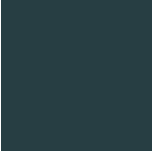
## Dichromacy



**Original Color**  
41228F

**Protanopia**  
003977

**Deuteranopia**  
003C66



**Tritanopia**  
273E43

# Trichromacy



**Original Color**  
41228F

**Protanomaly**  
183180

**Deuteranomaly**  
183375

**Tritanomaly**  
30345F

# Monochromacy



**Original Color**  
41228F

**Achromatopsia**  
383838

**Achromatomaly**  
3B3058

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 41228F 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 #41228F looks like.

```
.text, #text, p{  
    color:#41228F  
}
```

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 #41228F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #41228F
}
```

## Border

The CSS property to change the border of an element to Hex 41228F 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".

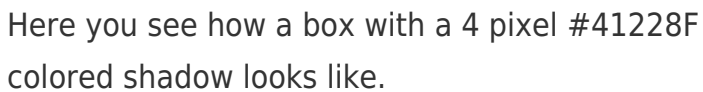
```
.border, #border, table{ border:4px solid
#41228F }
```

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

```
.border{ border-color:#41228F }
```

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

Here you see how a box with a 4 pixel #41228F colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin dark blue border on the top and left sides, and a thicker dark blue shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #41228F; -webkit-box-shadow:4px 4px  
4px 4px #41228F; box-shadow:4px 4px 4px  
4px #41228F }
```

# Background

The CSS property to change the background color of an element to Hex 41228F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#41228F }
```

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

```
.background{ background-color:#41228F }
```

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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