

# Converting Colors

Hex(2A2682)

Have a look what the booklet for  
Hex(2A2682) contains.

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# Color

**Hex(2A2682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A2682
RGB	42, 38, 130
RGB Percent	16%, 15%, 51%
CMY	0.8353, 0.8510, 0.4902
CMYK	0.68, 0.71, 0.00, 0.49
HSL	243°, 55%, 33%
HSV	243°, 71%, 51%
XYZ	5.6772, 3.4902, 21.4935
YIQ	49.6840, -27.1480, 29.4600

# Conversions

## Conversions Part 2

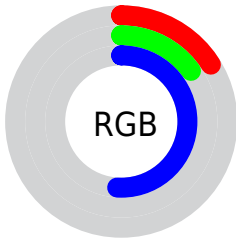
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 38, 130
Decimal	2762370
CIE <sub>Lab</sub>	21.91, 32.05, -51.09
CIE <sub>LCh</sub>	22, 60.312, 302.100
Yxy	3.4902, 0.1852, 0.1138
Android (android.graphics.Color)	4280952450 (0xFF2A2682)
YUV	49.6840, 39.5958, -6.7389
Hunter-Lab	18.6820, 21.5504, -55.1354




# Details

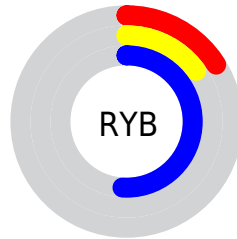
The Hex color **2A2682** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **7E8226**, and the grayscale version is **313131**.




A 20% lighter version of the original color is **6354B8**, and **000050** is the 20% darker color. If you saturate the color by 10%, you get **1E1982**, and if you desaturate by 10%, it is **363382**.

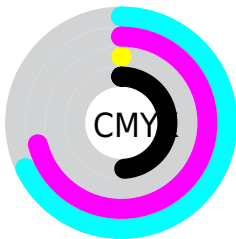
# Distribution







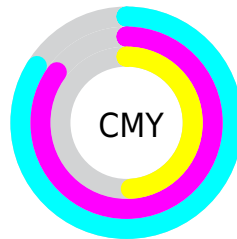
-  Red (16%)
-  Green (15%)
-  Blue (51%)






-  Red (16%)
-  Yellow (15%)
-  Blue (51%)



-  Cyan (68%)
-  Magenta (71%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (84%)
-  Magenta (85%)
-  Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A2682 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 2A2682 by changing the saturation by 10% instead.





2A2682



2A2682

FFFFFF



001168



6354B8



000050



7F6CD4



000538



9B86F1



000221



B8A0FF



000006



D4BBFF



000000



F2D7FF



FFF4FF



2A2682



2A2682

■ 1E1982

■ 363382

■ 110C82

■ 434082

■ 060082

■ 4F4D82

■ 5C5A82

■ 686782

■ 757482

■ 818182

■ 8D8E82

■ 9A9B82

# Harmonies

## Analogous

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



003B90



2A2682



69005F

# Triad

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



2A2682



611F00



004537

# Complementary

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



2A2682



7E8226

# 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.



004302



2A2682



3F3400

# Square

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



2A2682



780004



073E00



004564

# Rectangle

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



2A2682



7A0042



073E00



004427



# Sweetspot

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



2A2682



8685A8



267F82



403F54



D4D4D4



545454



# Same Dimension

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



2A2682



1F19A8



572682



3A3940



060080



000000



# Inverse Universe

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



82267E



A819A2



518226



40393F



80007A

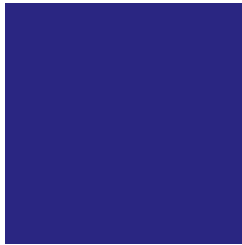


000000



# Previews

## White Background



This preview shows how the Hex color 2A2682 looks on a white background.

## Color Contrast Check

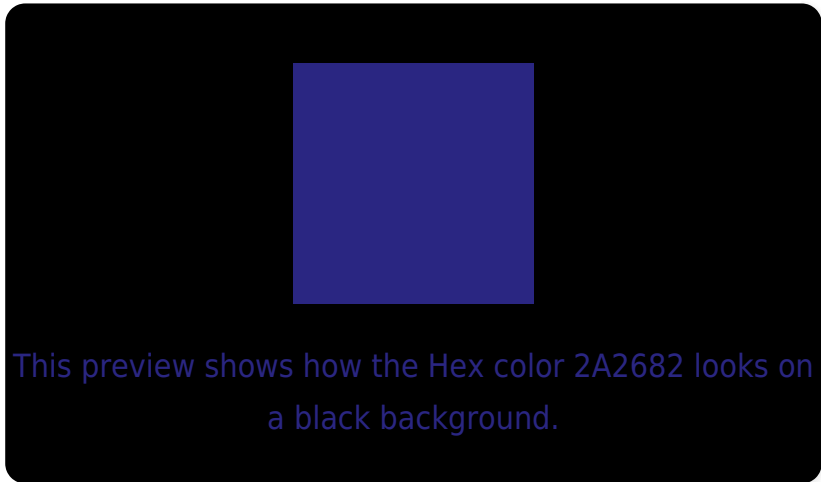
Large Text (above 18pt) WCAG AA ✓ Pass

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

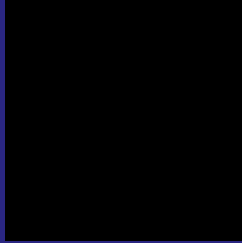
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A2682 Background



This preview shows how black text looks on a background with the Hex color 2A2682.



This preview shows how white text looks on a background with the Hex color 2A2682.

# 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**  
2A2682

**Protanopia**  
00336B

**Deuteranopia**  
00365C



**Tritanopia**  
003B3F

# Trichromacy



**Original Color**  
2A2682

**Protanomaly**  
0F2E73

**Deuteranomaly**  
0F306A

**Tritanomaly**  
0F3357

# Monochromacy



**Original Color**  
2A2682

**Achromatopsia**  
323232

**Achromatomaly**  
2F2E4F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A2682 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 #2A2682 looks like.

```
.text, #text, p{  
    color:#2A2682  
}
```

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 #2A2682 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A2682
}
```

## Border

The CSS property to change the border of an element to Hex 2A2682 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
#2A2682 }
```

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

```
.border{ border-color:#2A2682 }
```

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

Here you see how a box with a 4 pixel #2A2682 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A2682; -webkit-box-shadow:4px 4px  
4px 4px #2A2682; box-shadow:4px 4px 4px  
4px #2A2682 }
```

# Background

The CSS property to change the background color of an element to Hex 2A2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A2682 }
```

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

```
.background{ background-color:#2A2682 }
```

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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