

# Converting Colors

Hex(2A2A68)

Have a look what the booklet for  
Hex(2A2A68) contains.

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# Color

**Hex(2A2A68)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A2A68
RGB	42, 42, 104
RGB Percent	16%, 16%, 41%
CMY	0.8353, 0.8353, 0.5922
CMYK	0.60, 0.60, 0.00, 0.59
HSL	240°, 42%, 29%
HSV	240°, 60%, 41%
XYZ	4.2815, 3.1476, 13.4786
YIQ	49.0680, -19.9020, 19.2820

# Conversions

## Conversions Part 2

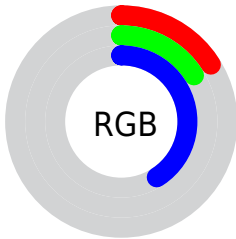
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 42, 104
Decimal	2763368
CIE <sub>Lab</sub>	20.63, 20.04, -36.53
CIE <sub>LCh</sub>	21, 41.662, 298.745
Yxy	3.1476, 0.2048, 0.1505
Android (android.graphics.Color)	4280953448 (0xFF2A2A68)
YUV	49.0680, 27.0815, -6.1986
Hunter-Lab	17.7416, 12.0288, -32.6245

# Details

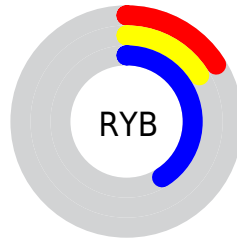
The Hex color **2A2A68** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **68682A**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **5E579C**, and **000038** is the 20% darker color. If you saturate the color by 10%, you get **202068**, and if you desaturate by 10%, it is **343468**.

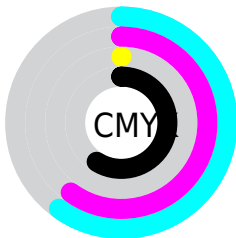
# Distribution



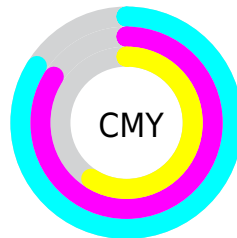
- Red (16%)
- Green (16%)
- Blue (41%)



- Red (16%)
- Yellow (16%)
- Blue (41%)



- Cyan (60%)
- Magenta (60%)
- Yellow (0%)
- Black (59%)



- Cyan (84%)
- Magenta (84%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A2A68 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 2A2A68 by changing the saturation by 10% instead.



■ 2A2A68

■ 2A2A68

FFFFFF

■ 0C164F

■ 5E579C

■ 000038

■ 7870B7

■ 000222

■ 9389D3

■ 000008

■ AEA4EF

■ 000000

■ CABFFF

■ E7DAFF

■ FFF7FF

■ 2A2A68

■ 2A2A68

■ 202068

■ 343468

■ 151568

■ 3F3F68

■ 0B0B68

■ 494968

■ 000068

■ 545468

■ 5E5E68

■ 686868

■ 737368

■ 7D7D68

■ 888868

# Harmonies

## Analogous

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



003670



2A2A68



541852

# Triad

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



2A2A68



562300



003E2F

# Complementary

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



2A2A68



68682A

# 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.



003D0F



2A2A68



3F3000

# Square

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



2A2A68



641016



223800



003F4E

# Rectangle

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



2A2A68



610B3F



223800



003E25



# Sweetspot

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



2A2A68



6F6F87



2A6868



363645



C4C4C4



454545



# Same Dimension

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



2A2A68



262687



492A68



2E2E33



000073



0000F2



# Inverse Universe

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



682A68



872687



49682A



332E33



730073



F200F2



# Previews

## White Background



This preview shows how the Hex color 2A2A68 looks on a white background.

## Color Contrast Check

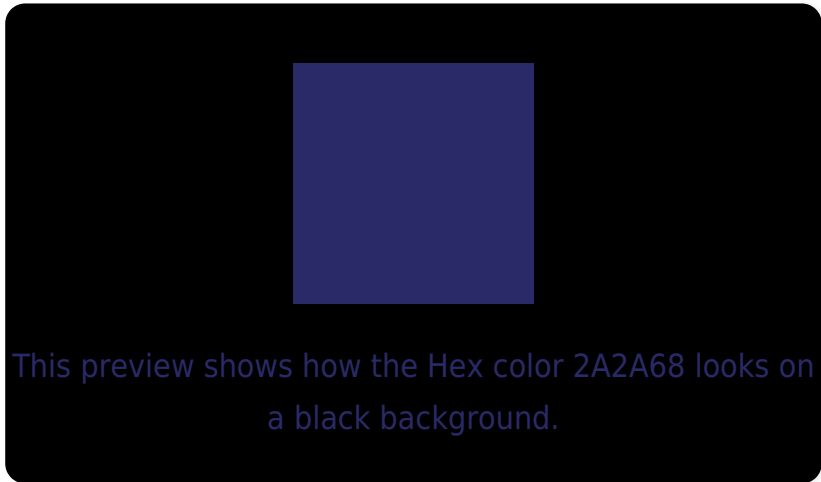
Large Text (above 18pt) WCAG AA ✓ Pass

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

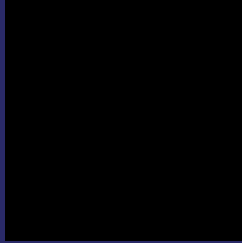
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A2A68 Background



This preview shows how black text looks on a background with the Hex color 2A2A68.



This preview shows how white text looks on a background with the Hex color 2A2A68.

# 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**  
2A2A68

**Protanopia**  
003066

**Deuteranopia**  
003358



**Tritanopia**  
16363B

# Trichromacy



**Original Color**  
2A2A68

**Protanomaly**  
0F2E67

**Deuteranomaly**  
0F305E

**Tritanomaly**  
1D324B

# Monochromacy



**Original Color**  
2A2A68

**Achromatopsia**  
313131

**Achromatomaly**  
2E2E45

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A2A68 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 #2A2A68 looks like.

```
.text, #text, p{  
    color:#2A2A68  
}
```

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 #2A2A68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A2A68
}
```

## Border

The CSS property to change the border of an element to Hex 2A2A68 is called "border". The border property can be set on classes, ids or directly on the HTML element.

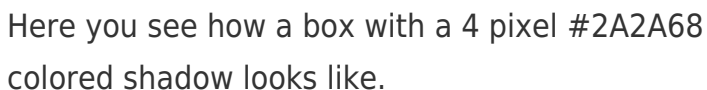
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A2A68 }
```

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

```
.border{ border-color:#2A2A68 }
```

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



Here you see how a box with a 4 pixel #2A2A68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A2A68; -webkit-box-shadow:4px 4px  
4px 4px #2A2A68; box-shadow:4px 4px 4px  
4px #2A2A68 }
```

# Background

The CSS property to change the background color of an element to Hex 2A2A68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A2A68 }
```

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

```
.background{ background-color:#2A2A68 }
```

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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