

# Converting Colors

Hex(2A4F68)

Have a look what the booklet for  
Hex(2A4F68) contains.

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# Color

**Hex(2A4F68)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A4F68
RGB	42, 79, 104
RGB Percent	16%, 31%, 41%
CMY	0.8353, 0.6902, 0.5922
CMYK	0.60, 0.24, 0.00, 0.59
HSL	204°, 42%, 29%
HSV	204°, 60%, 41%
XYZ	6.2495, 7.0837, 14.1346
YIQ	70.7870, -30.0770, -0.0690

# Conversions

## Conversions Part 2

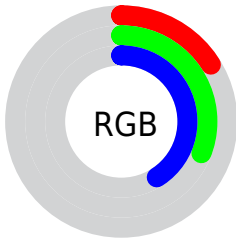
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 65, 104
Decimal	2772840
CIELab	32.00, -5.07, -18.51
CIElCh	32, 19.197, 254.675
Yxy	7.0837, 0.2275, 0.2579
Android (android.graphics.Color)	4280962920 (0xFF2A4F68)
YUV	70.7870, 16.3740, -25.2462
Hunter-Lab	26.6152, -4.6630, -12.8567

# Details

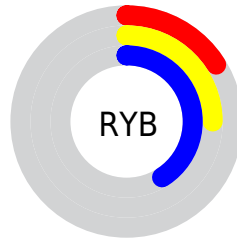
The Hex color **2A4F68** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **68432A**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **5D809B**, and **002339** is the 20% darker color. If you saturate the color by 10%, you get **204B68**, and if you desaturate by 10%, it is **345368**.

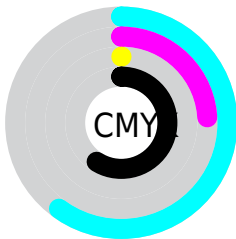
# Distribution



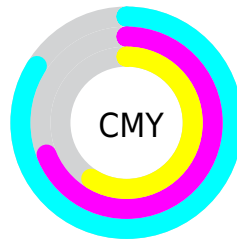
- Red (16%)
- Green (31%)
- Blue (41%)



- Red (16%)
- Yellow (25%)
- Blue (41%)



- Cyan (60%)
- Magenta (24%)
- Yellow (0%)
- Black (59%)



- Cyan (84%)
- Magenta (69%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A4F68 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 2A4F68 by changing the saturation by 10% instead.



■ 2A4F68

■ 2A4F68

FFFFFF

■ 0E3850

■ 5D809B

■ 002339

■ 779AB6

■ 000D23

■ 92B5D2

■ 00000B

■ ADD0EE

■ 000000

■ C9EDFF

■ E5FFFF

■ 2A4F68

■ 2A4F68

■ 204B68

■ 345368

■ 154768

■ 3F5768

■ 0B4268

■ 495C68

■ 003E68

■ 546068

■ 5E6468

■ 686868

■ 736C68

■ 7D7168

■ 887568

# Harmonies

## Analogous

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



175260



2A4F68



424A68

# Triad

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



2A4F68



694044



3D5135

# Complementary

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



2A4F68



68432A

# 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.



4E4D2E



2A4F68



664337

# Square

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



2A4F68



644154



5C482E



2B5343

# Rectangle

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



2A4F68



504764



5C482E



434F32



# Sweetspot

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



2A4F68



6F7D87



2A6843



363F45



C4C4C4



454545



# Same Dimension

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



2A4F68



266087



2A3068



2E3133



004473



0091F2



# Inverse Universe

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



682A4F



872660



68622A



332E31



730044

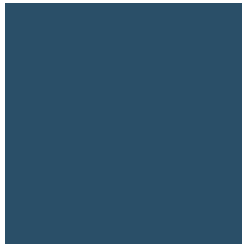


F20091



# Previews

## White Background



This preview shows how the Hex color 2A4F68 looks on a white background.

## Color Contrast Check

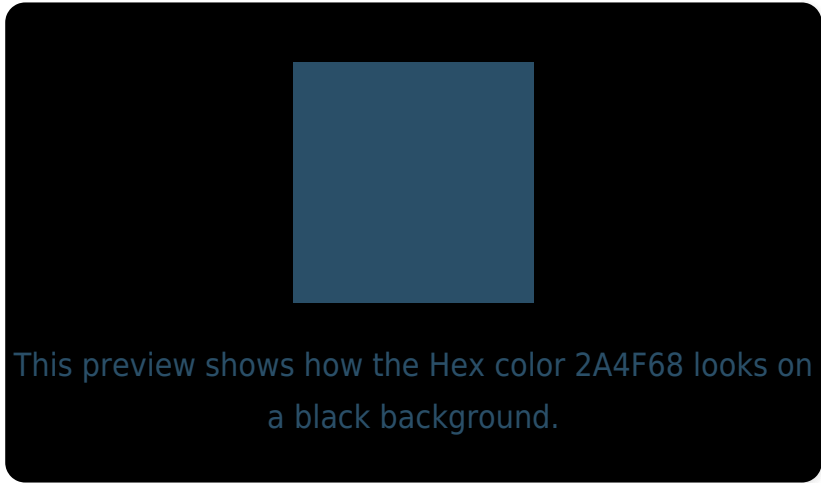
Large Text (above 18pt) WCAG AA ✓ Pass

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

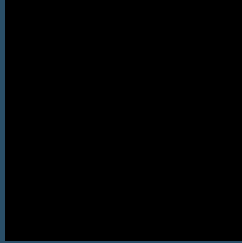
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

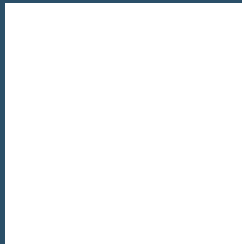
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A4F68 Background



This preview shows how black text looks on a background with the Hex color 2A4F68.

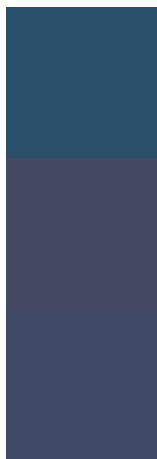


This preview shows how white text looks on a background with the Hex color 2A4F68.

# 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](#).

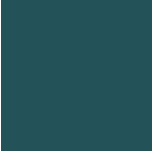
## Dichromacy



**Original Color**  
2A4F68

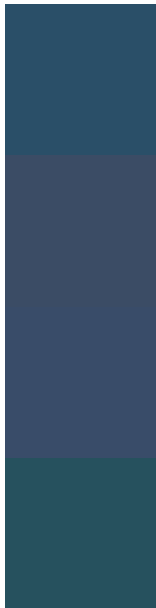
**Protanopia**  
444A64

**Deuteranopia**  
414A69



**Tritanopia**  
235258

# Trichromacy



**Original Color**  
2A4F68

**Protanomaly**  
3B4C65

**Deuteranomaly**  
394C69

**Tritanomaly**  
26515E

# Monochromacy



**Original Color**  
2A4F68

**Achromatopsia**  
474747

**Achromatomaly**  
3C4A53

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A4F68 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 #2A4F68 looks like.

```
.text, #text, p{  
    color:#2A4F68  
}
```

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 #2A4F68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A4F68
}
```

## Border

The CSS property to change the border of an element to Hex 2A4F68 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
#2A4F68 }
```

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

```
.border{ border-color:#2A4F68 }
```

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

Here you see how a box with a 4 pixel #2A4F68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A4F68; -webkit-box-shadow:4px 4px  
4px 4px #2A4F68; box-shadow:4px 4px 4px  
4px #2A4F68 }
```

# Background

The CSS property to change the background color of an element to Hex 2A4F68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A4F68 }
```

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

```
.background{ background-color:#2A4F68 }
```

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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