

# Converting Colors

Hex(2A4858)

Have a look what the booklet for  
Hex(2A4858) contains.

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# Color

Hex(2A4858)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A4858
RGB	42, 72, 88
RGB Percent	16%, 28%, 35%
CMY	0.8353, 0.7176, 0.6549
CMYK	0.52, 0.18, 0.00, 0.65
HSL	201°, 35%, 25%
HSV	201°, 52%, 35%
XYZ	5.0337, 5.8316, 10.0928
YIQ	64.8540, -23.0160, -1.3840

# Conversions

## Conversions Part 2

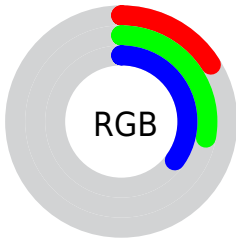
Format	Color
R <sub>Y</sub> B	42, 60, 88
Decimal	2771032
CIE Lab	28.98, -6.13, -12.96
CIE LCh	29, 14.332, 244.688
Yxy	5.8316, 0.2402, 0.2782
Android (android.graphics.Color)	4280961112 (0xFF2A4858)
YUV	64.8540, 11.4110, -20.0430
Hunter-Lab	24.1486, -5.0526, -7.8760

# Details

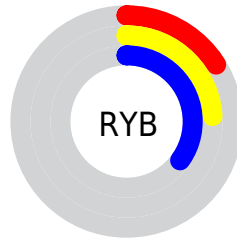
The Hex color **2A4858** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **583A2A**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **5B788A**, and **001D2B** is the 20% darker color. If you saturate the color by 10%, you get **214558**, and if you desaturate by 10%, it is **334B58**.

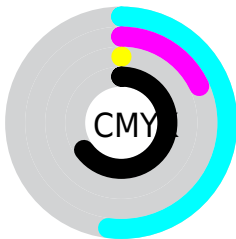
# Distribution



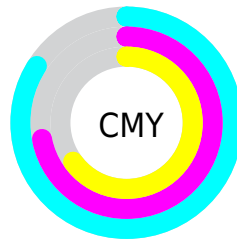
- Red (16%)
- Green (28%)
- Blue (35%)



- Red (16%)
- Yellow (24%)
- Blue (35%)



- Cyan (52%)
- Magenta (18%)
- Yellow (0%)
- Black (65%)



- Cyan (84%)
- Magenta (72%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A4858 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 2A4858 by changing the saturation by 10% instead.



■ 2A4858

■ 2A4858

FFFFFF

■ 113241

■ 5B788A

■ 001D2B

■ 7492A4

■ 000116

■ 8EADBF

■ 000000

■ A9C8DB

■ C5E4F8

■ E1FFFF

FEFFFF

■ 2A4858

■ 2A4858

■ 214558

■ 334B58

■ 184258

■ 3C4E58

■ 103F58

■ 445158

■ 073C58

■ 4D5458

■ 003958

■ 565758

■ 5F5A58

■ 685D58

■ 706058

■ 796458

# Harmonies

## Analogous

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



234A51



2A4858



39455A

# Triad

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



2A4858



5A3C43



3F4732

# Complementary

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



2A4858



583A2A

# 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.



4B442E



2A4858



5A3D38

# Square

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



2A4858



543E4E



544031



324A3B

# Rectangle

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



2A4858



434258



544031



434630



# Sweetspot

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



2A4858



606C73



2A5839



30373B



BABABA



3B3B3B



# Same Dimension

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



2A4858



2A5A73



2A3258



272A2B



00466B



0099EB



# Inverse Universe

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



582A48



732A5A



58502A



2B272A



6B0046

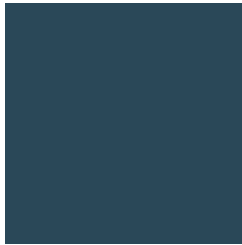


EB0099



# Previews

## White Background



This preview shows how the Hex color 2A4858 looks on a white background.

## Color Contrast Check

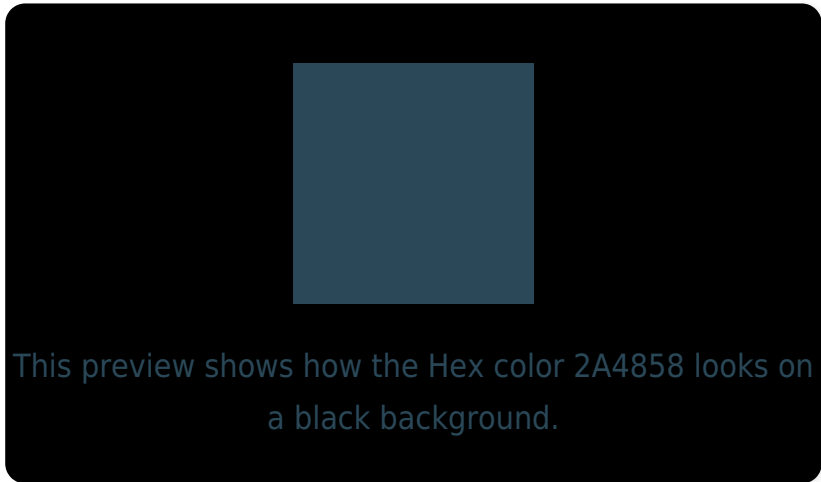
Large Text (above 18pt) WCAG AA ✓ Pass

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

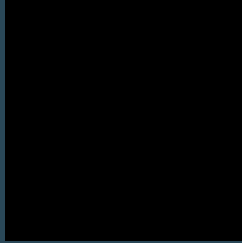
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

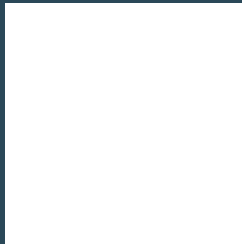
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A4858 Background



This preview shows how black text looks on a background with the Hex color 2A4858.



This preview shows how white text looks on a background with the Hex color 2A4858.

# 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](#).

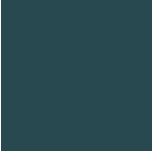
## Dichromacy



**Original Color**  
2A4858

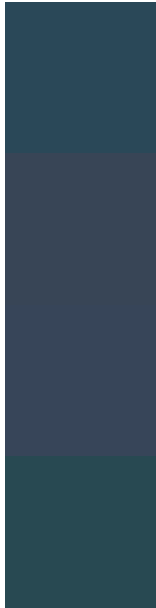
**Protanopia**  
404355

**Deuteranopia**  
3F4359



**Tritanopia**  
27494F

# Trichromacy



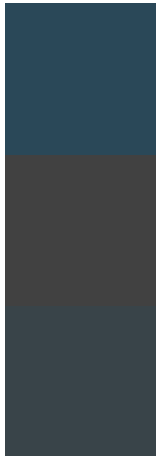
**Original Color**  
2A4858

**Protanomaly**  
384556

**Deuteranomaly**  
374559

**Tritanomaly**  
284952

# Monochromacy



**Original Color**  
2A4858

**Achromatopsia**  
414141

**Achromatomaly**  
394449

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A4858 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 #2A4858 looks like.

```
.text, #text, p{  
    color:#2A4858  
}
```

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 #2A4858 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A4858
}
```

## Border

The CSS property to change the border of an element to Hex 2A4858 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".

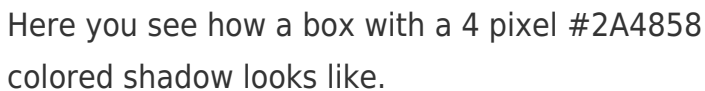
```
.border, #border, table{ border:4px solid
#2A4858 }
```

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

```
.border{ border-color:#2A4858 }
```

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

Here you see how a box with a 4 pixel #2A4858 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 #2A4858; -webkit-box-shadow:4px 4px  
4px 4px #2A4858; box-shadow:4px 4px 4px  
4px #2A4858 }
```

# Background

The CSS property to change the background color of an element to Hex 2A4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A4858 }
```

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

```
.background{ background-color:#2A4858 }
```

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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