

# Converting Colors

Hex(2A4955)

Have a look what the booklet for  
Hex(2A4955) contains.

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# Color

Hex(2A4955)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A4955
RGB	42, 73, 85
RGB Percent	16%, 29%, 33%
CMY	0.8353, 0.7137, 0.6667
CMYK	0.51, 0.14, 0.00, 0.67
HSL	197°, 34%, 25%
HSV	197°, 51%, 33%
XYZ	4.9771, 5.9132, 9.4734
YIQ	65.0990, -22.3280, -2.8400

# Conversions

## Conversions Part 2

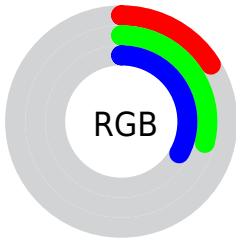
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 60, 85
Decimal	2771285
CIE <sub>Lab</sub>	29.19, -7.73, -10.70
CIE <sub>LCh</sub>	29, 13.207, 234.151
Yxy	5.9132, 0.2444, 0.2904
Android (android.graphics.Color)	4280961365 (0xFF2A4955)
YUV	65.0990, 9.8112, -20.2578
Hunter-Lab	24.3171, -6.0205, -6.0761




# Details

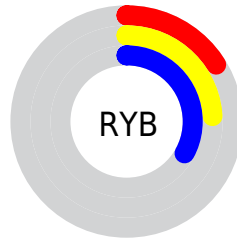
The Hex color **2A4955** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **55362A**, and the grayscale version is **414141**.




A 20% lighter version of the original color is **5A7A87**, and **001D28** is the 20% darker color. If you saturate the color by 10%, you get **214755**, and if you desaturate by 10%, it is **324B55**.

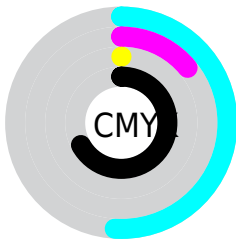
# Distribution







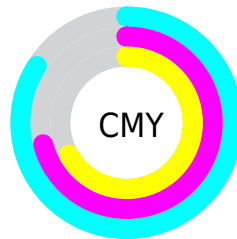
-  Red (16%)
-  Green (29%)
-  Blue (33%)






-  Red (16%)
-  Yellow (24%)
-  Blue (33%)



-  Cyan (51%)
-  Magenta (14%)
-  Yellow (0%)
-  Black (67%)



-  Cyan (84%)
-  Magenta (71%)
-  Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A4955 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 2A4955 by changing the saturation by 10% instead.



■ 2A4955

■ 2A4955

FFFFFF

■ 12323E

■ 5A7A87

■ 001D28

■ 7493A1

■ 000114

■ 8EAEB3

■ 000000

■ A9C9D8

■ C4E5F4

■ E1FFFF

■ F0FFFF

■ 2A4955

■ 2A4955

■ 214755

■ 324B55

■ 194455

■ 3B4E55

■ 104255

■ 435055

■ 084055

■ 4C5255

■ 003D55

■ 545555

■ 5D5755

■ 655A55

■ 6E5C55

■ 765E55

# Harmonies

## Analogous

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



274A4D



2A4955



364659

# Triad

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



2A4955



583E47



444732

# Complementary

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



2A4955



55362A

# 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.



4E4331



2A4955



5A3E3D

# Square

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



2A4955



504051



564035



384939

# Rectangle

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



2A4955



3F4458



564035



474631



# Sweetspot

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



2A4955



5D696E



2A5535



2E3538



B8B8B8



383838



# Same Dimension

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



2A4955



2B5B6E



2A3455



272A2B



004D6B



00A9EB



# Inverse Universe

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



552A49



6E2B5B



554B2A



2B272A



6B004D

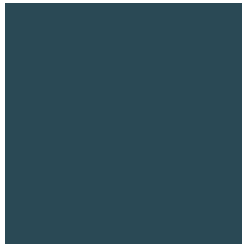


EB00A9



# Previews

## White Background



This preview shows how the Hex color 2A4955 looks on a white background.

## Color Contrast Check

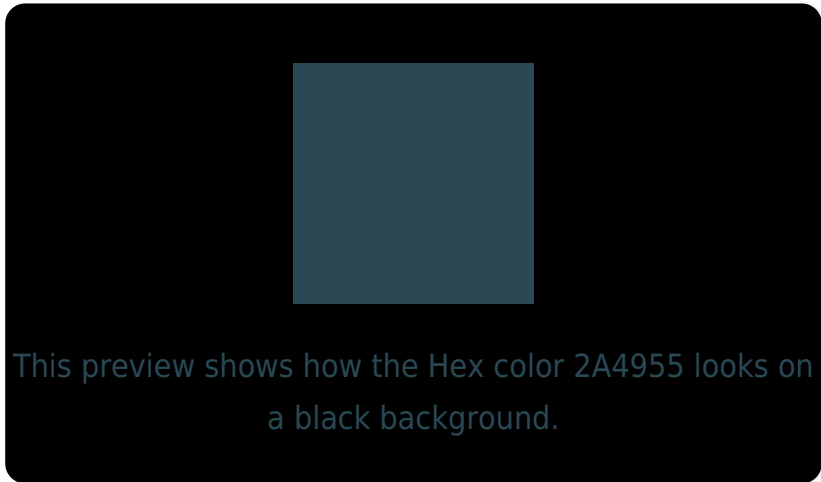
Large Text (above 18pt) WCAG AA ✓ Pass

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

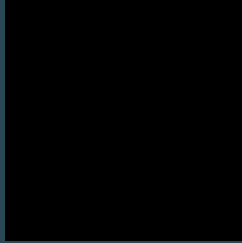
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

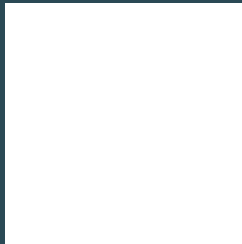
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A4955 Background



This preview shows how black text looks on a background with the Hex color 2A4955.



This preview shows how white text looks on a background with the Hex color 2A4955.

# 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](#).

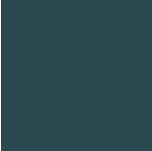
## Dichromacy



**Original Color**  
2A4955

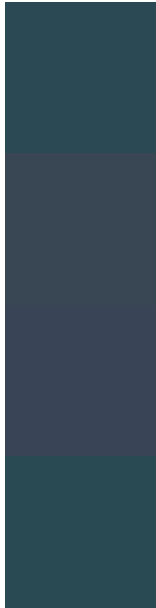
**Protanopia**  
424452

**Deuteranopia**  
424356



**Tritanopia**  
284A50

# Trichromacy



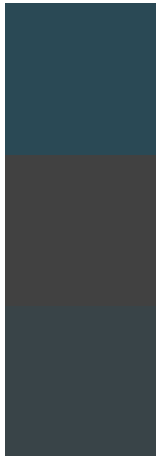
**Original Color**  
2A4955

**Protanomaly**  
394653

**Deuteranomaly**  
394556

**Tritanomaly**  
294A52

# Monochromacy



**Original Color**  
2A4955

**Achromatopsia**  
414141

**Achromatomaly**  
394448

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A4955 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 #2A4955 looks like.

```
.text, #text, p{  
    color:#2A4955  
}
```

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 #2A4955 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A4955
}
```

## Border

The CSS property to change the border of an element to Hex 2A4955 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
#2A4955 }
```

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

```
.border{ border-color:#2A4955 }
```

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

Here you see how a box with a 4 pixel #2A4955 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A4955; -webkit-box-shadow:4px 4px  
4px 4px #2A4955; box-shadow:4px 4px 4px  
4px #2A4955 }
```

# Background

The CSS property to change the background color of an element to Hex 2A4955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A4955 }
```

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

```
.background{ background-color:#2A4955 }
```

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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