

# Converting Colors

Hex(2E5874)

Have a look what the booklet for  
Hex(2E5874) contains.

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# Color

**Hex(2E5874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E5874
RGB	46, 88, 116
RGB Percent	18%, 35%, 45%
CMY	0.8196, 0.6549, 0.5451
CMYK	0.60, 0.24, 0.00, 0.55
HSL	204°, 43%, 32%
HSV	204°, 60%, 45%
XYZ	7.7688, 8.8212, 17.8162
YIQ	78.6340, -34.0200, -0.1960

# Conversions

## Conversions Part 2

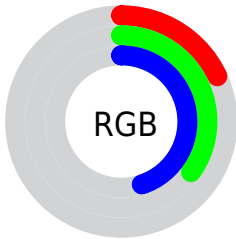
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 72, 116
Decimal	3037300
CIELab	35.64, -5.59, -20.36
CIELCh	36, 21.113, 254.659
Yxy	8.8212, 0.2258, 0.2564
Android (android.graphics.Color)	4281227380 (0xFF2E5874)
YUV	78.6340, 18.4214, -28.6200
Hunter-Lab	29.7006, -5.2855, -14.7753

# Details

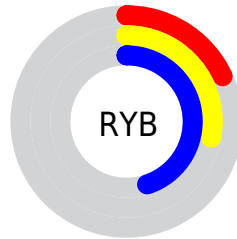
The Hex color **2E5874** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **744A2E**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **628AA8**, and **002B44** is the 20% darker color. If you saturate the color by 10%, you get **225374**, and if you desaturate by 10%, it is **3A5D74**.

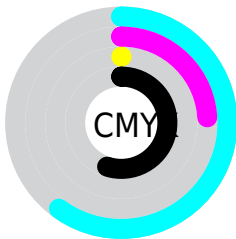
# Distribution



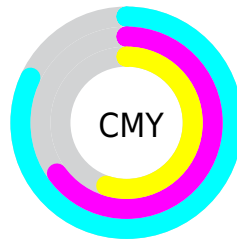
- Red (18%)
- Green (35%)
- Blue (45%)



- Red (18%)
- Yellow (28%)
- Blue (45%)



- Cyan (60%)
- Magenta (24%)
- Yellow (0%)
- Black (55%)



- Cyan (82%)
- Magenta (65%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E5874 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 2E5874 by changing the saturation by 10% instead.



■ 2E5874

■ 2E5874

FFFFFF

■ 10415B

■ 628AA8

■ 002B44

■ 7DA4C3

■ 00172D

■ 98BFDF

■ 000119

■ B3DBFC

■ 000000

■ CFF7FF

■ ECFFFF

■ 2E5874

■ 2E5874

■ 225374

■ 3A5D74

■ 174F74

■ 456174

■ 0B4A74

■ 516674

■ 004674

■ 5C6B74

■ 686F74

■ 747474

■ 7F7874

■ 8B7D74

■ 968274

# Harmonies

## Analogous

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



175C6B



2E5874



495374

# Triad

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



2E5874



75474C



445A3B

# Complementary

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



2E5874



744A2E

# 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.



575533



2E5874



724A3D

# Square

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



2E5874



6F485D



675033



2F5C4A

# Rectangle

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



2E5874



594E70



675033



4B5938



# Sweetspot

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



2E5874



7B8C96



2E744A



3C464D



CCCCCC



4D4D4D



# Same Dimension

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



2E5874



2A6B96



2E3574



35383B



00497A



0096FA



# Inverse Universe

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



742E58



962A6B



746D2E



3B3538



7A0049

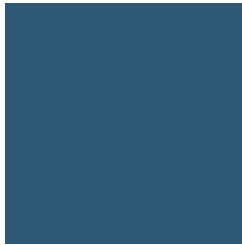


FA0096



# Previews

## White Background



This preview shows how the Hex color 2E5874 looks on a white background.

## Color Contrast Check

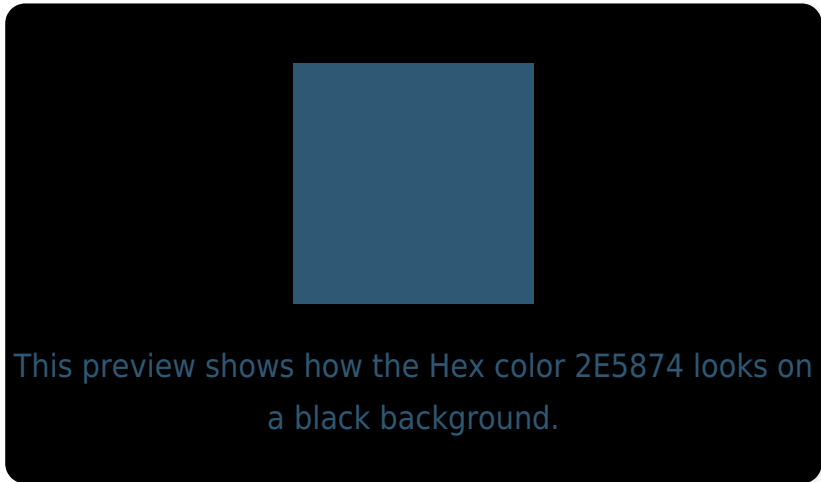
Large Text (above 18pt) WCAG AA ✓ Pass

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

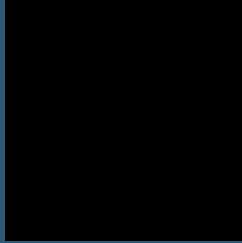
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

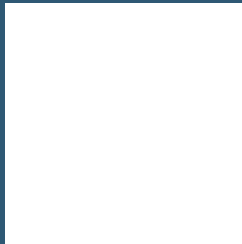
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2E5874 Background



This preview shows how black text looks on a background with the Hex color 2E5874.

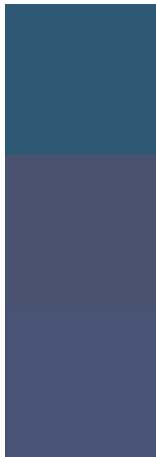


This preview shows how white text looks on a background with the Hex color 2E5874.

# 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**  
2E5874

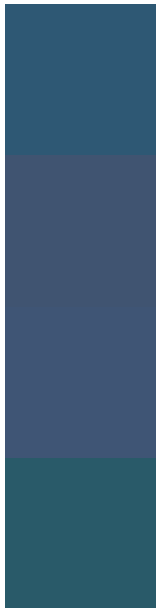
**Protanopia**  
4B5270

**Deuteranopia**  
485375



**Tritanopia**  
265B63

# Trichromacy



**Original Color**  
2E5874

**Protanomaly**  
405471

**Deuteranomaly**  
3F5575

**Tritanomaly**  
295A69

# Monochromacy



**Original Color**  
2E5874

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
43525C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E5874 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 #2E5874 looks like.

```
.text, #text, p{  
    color:#2E5874  
}
```

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 #2E5874 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E5874
}
```

## Border

The CSS property to change the border of an element to Hex 2E5874 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
#2E5874 }
```

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

```
.border{ border-color:#2E5874 }
```

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

Here you see how a box with a 4 pixel #2E5874 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E5874; -webkit-box-shadow:4px 4px  
4px 4px #2E5874; box-shadow:4px 4px 4px  
4px #2E5874 }
```

# Background

The CSS property to change the background color of an element to Hex 2E5874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E5874 }
```

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

```
.background{ background-color:#2E5874 }
```

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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