

# Converting Colors

Hex(2D4869)

Have a look what the booklet for  
Hex(2D4869) contains.

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# Color

**Hex(2D4869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D4869
RGB	45, 72, 105
RGB Percent	18%, 28%, 41%
CMY	0.8235, 0.7176, 0.5882
CMYK	0.57, 0.31, 0.00, 0.59
HSL	213°, 40%, 29%
HSV	213°, 57%, 41%
XYZ	5.9494, 6.2125, 14.2502
YIQ	67.6890, -26.6850, 4.5390

# Conversions

## Conversions Part 2

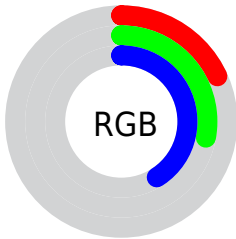
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 64, 105
Decimal	2967657
CIELab	29.94, 0.50, -22.33
CIELCh	30, 22.337, 271.274
Yxy	6.2125, 0.2253, 0.2352
Android (android.graphics.Color)	4281157737 (0xFF2D4869)
YUV	67.6890, 18.3943, -19.8983
Hunter-Lab	24.9250, -1.0124, -16.4500

# Details

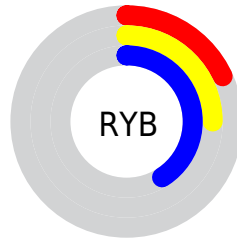
The Hex color **2D4869** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **694E2D**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **5F789C**, and **001D3A** is the 20% darker color. If you saturate the color by 10%, you get **234269**, and if you desaturate by 10%, it is **384E69**.

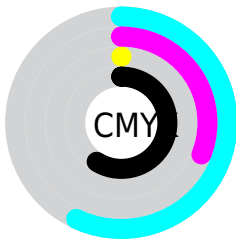
# Distribution



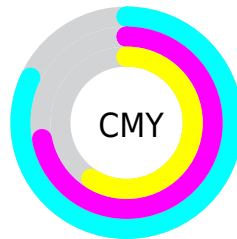
- Red (18%)
- Green (28%)
- Blue (41%)



- Red (18%)
- Yellow (25%)
- Blue (41%)



- Cyan (57%)
- Magenta (31%)
- Yellow (0%)
- Black (59%)



- Cyan (82%)
- Magenta (72%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D4869 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 2D4869 by changing the saturation by 10% instead.



■ 2D4869

■ 2D4869

FFFFFF

■ 123251

■ 5F789C

■ 001D3A

■ 7992B7

■ 000224

■ 94ACD3

■ 00000C

■ AFC8EF

■ 000000

■ CBE4FF

■ E8FFFF

■ 2D4869

■ 2D4869

■ 234269

■ 384E69

■ 183C69

■ 425469

■ 0D3769

■ 4D5969

■ 033169

■ 575F69

■ 002F69

■ 626569

■ 6C6B69

■ 767069

■ 817669

■ 8C7C69

# Harmonies

## Analogous

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



034D65



2D4869



494264

# Triad

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



2D4869



673A35



2A4E35

# Complementary

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



2D4869



694E2D

# 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.



3F4B28



2D4869



5F4028

# Square

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



2D4869



673946



514623



0C5047

# Rectangle

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



2D4869



573E5C



514623



314D30



# Sweetspot

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



2D4869



727D8A



2D694E



373D45



C4C4C4



454545



# Same Dimension

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



2D4869



2B558A



302D69



303336



003575



006EF5



# Inverse Universe

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



692D48



8A2B55



66692D



363033



750035

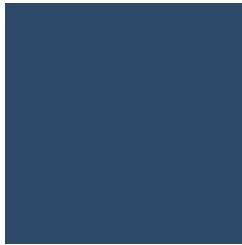


F5006E



# Previews

## White Background



This preview shows how the Hex color 2D4869 looks on a white background.

## Color Contrast Check

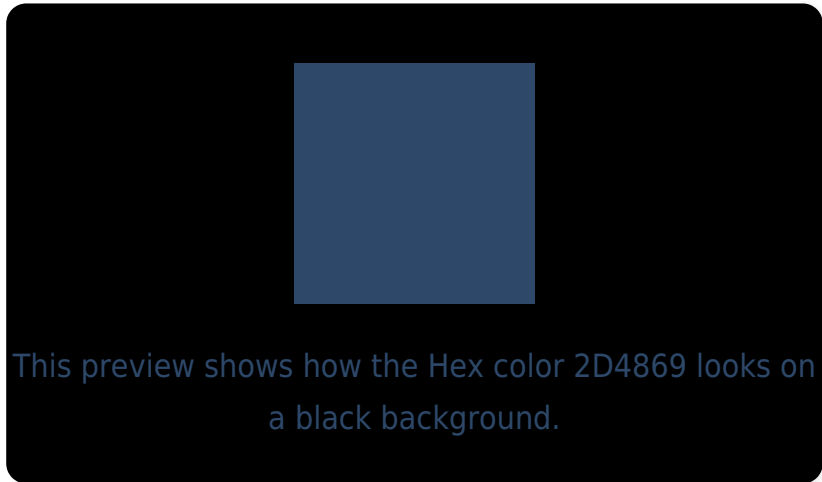
Large Text (above 18pt) WCAG AA ✓ Pass

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 2D4869 Background



This preview shows how black text looks on a background with the Hex color 2D4869.

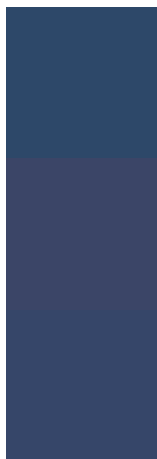


This preview shows how white text looks on a background with the Hex color 2D4869.

# 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**

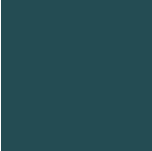
2D4869

**Protanopia**

3B4567

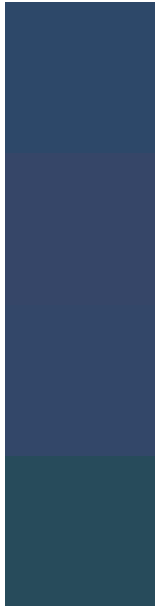
**Deuteranopia**

364669



**Tritanopia**  
244C53

# Trichromacy



**Original Color**  
2D4869

**Protanomaly**  
364668

**Deuteranomaly**  
334769

**Tritanomaly**  
274B5B

# Monochromacy



**Original Color**  
2D4869

**Achromatopsia**  
444444

**Achromatomaly**  
3C4551

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D4869 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 #2D4869 looks like.

```
.text, #text, p{  
    color:#2D4869  
}
```

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 #2D4869 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D4869
}
```

## Border

The CSS property to change the border of an element to Hex 2D4869 is called "border". The border property can be set on classes, ids or directly on the HTML element.

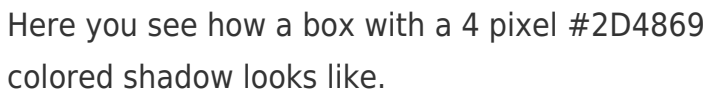
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D4869 }
```

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

```
.border{ border-color:#2D4869 }
```

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



Here you see how a box with a 4 pixel #2D4869 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D4869; -webkit-box-shadow:4px 4px  
4px 4px #2D4869; box-shadow:4px 4px 4px  
4px #2D4869 }
```

# Background

The CSS property to change the background color of an element to Hex 2D4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D4869 }
```

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

```
.background{ background-color:#2D4869 }
```

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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