

# Converting Colors

Hex(2D6766)

Have a look what the booklet for  
Hex(2D6766) contains.

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# Color

**Hex(2D6766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D6766
RGB	45, 103, 102
RGB Percent	18%, 40%, 40%
CMY	0.8235, 0.5961, 0.6000
CMYK	0.56, 0.00, 0.01, 0.60
HSL	179°, 39%, 29%
HSV	179°, 56%, 40%
XYZ	8.3307, 11.2177, 14.2965
YIQ	85.5440, -34.2470, -12.6070

# Conversions

## Conversions Part 2

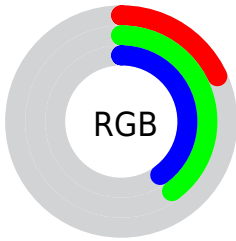
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 74, 103
Decimal	2975590
CIELab	39.94, -19.04, -5.20
CIElCh	40, 19.736, 195.266
Yxy	11.2177, 0.2461, 0.3314
Android (android.graphics.Color)	4281165670 (0xFF2D6766)
YUV	85.5440, 8.1128, -35.5571
Hunter-Lab	33.4928, -14.2139, -1.8632




# Details

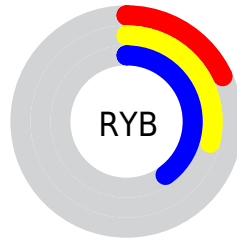
The Hex color **2D6766** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **672D2E**, and the grayscale version is **555555**.




A 20% lighter version of the original color is **619A99**, and **003837** is the 20% darker color. If you saturate the color by 10%, you get **236766**, and if you desaturate by 10%, it is **376766**.

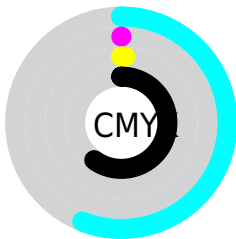
# Distribution







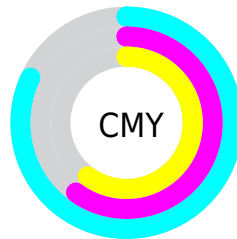
-  Red (18%)
-  Green (40%)
-  Blue (40%)






-  Red (18%)
-  Yellow (29%)
-  Blue (40%)



-  Cyan (56%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (60%)



-  Cyan (82%)
-  Magenta (60%)
-  Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D6766 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 2D6766 by changing the saturation by 10% instead.



 2D6766

 2D6766

FFFFFF

 104F4E

 619A99

 003837

 7BB5B4

 002222

 96D1CF

 00000C

 B2EDEB

 000000

 CEFFFF

 EBFFFF

 2D6766

 2D6766

 236766

 376766

■ 186766

■ 426766

■ 0E6765

■ 4C6767

■ 046765

■ 566767

■ 006765

■ 616767

■ 6B6767

■ 756767

■ 7F6767

■ 8A6768

# Harmonies

## Analogous

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



3C6655



2D6766



2C6674

# Triad

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



2D6766



6B5775



715A3F

# Complementary

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



2D6766



672D2E

# 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.



7B5548



2D6766



795367

# Square

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



2D6766



555D7D



7E5256



61603F

# Rectangle

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



2D6766



36637B



7E5256



755941



# Sweetspot

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



2D6766



708787



2F672D



374545



C4C4C4



454545



# Same Dimension

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



2D6766



2B8786



2D4C67



2E3333



007371



00F2EE



# Inverse Universe

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



672D2E



872B2D



67482D



332E2E



730002



F20004



# Previews

## White Background



This preview shows how the Hex color 2D6766 looks on a white background.

## Color Contrast Check

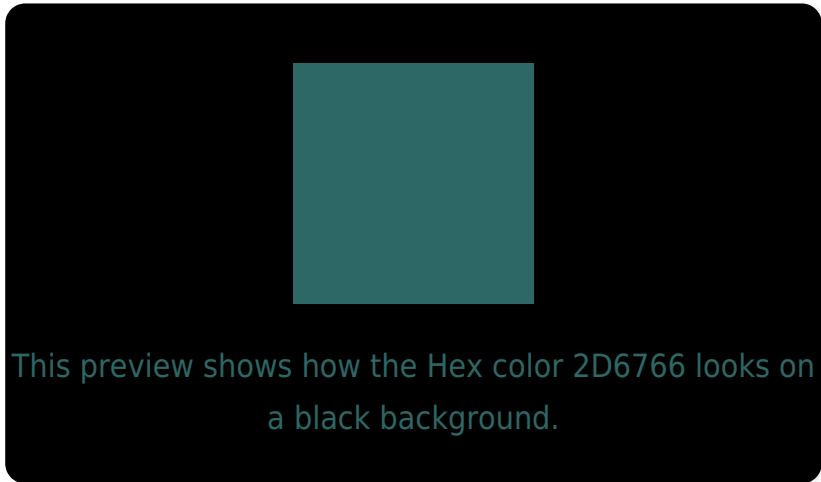
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

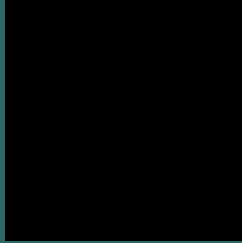
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

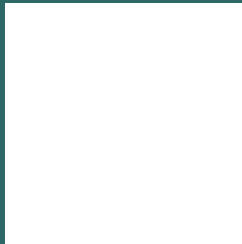
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2D6766 Background



This preview shows how black text looks on a background with the Hex color 2D6766.



This preview shows how white text looks on a background with the Hex color 2D6766.

# 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**  
2D6766

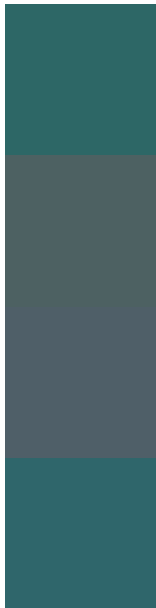
**Protanopia**  
5F5D60

**Deuteranopia**  
625B69



**Tritanopia**  
30666E

# Trichromacy



**Original Color**  
2D6766

**Protanomaly**  
4D6162

**Deuteranomaly**  
4F5F68

**Tritanomaly**  
2F666B

# Monochromacy



**Original Color**  
2D6766

**Achromatopsia**  
565656

**Achromatomaly**  
475C5C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D6766 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 #2D6766 looks like.

```
.text, #text, p{  
    color:#2D6766  
}
```

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 #2D6766 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D6766
}
```

## Border

The CSS property to change the border of an element to Hex 2D6766 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
#2D6766 }
```

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

```
.border{ border-color:#2D6766 }
```

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

Here you see how a box with a 4 pixel #2D6766 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D6766; -webkit-box-shadow:4px 4px  
4px 4px #2D6766; box-shadow:4px 4px 4px  
4px #2D6766 }
```

# Background

The CSS property to change the background color of an element to Hex 2D6766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D6766 }
```

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

```
.background{ background-color:#2D6766 }
```

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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