

# Converting Colors

Hex(2D6F50)

Have a look what the booklet for  
Hex(2D6F50) contains.

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# Color

**Hex(2D6F50)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D6F50
RGB	45, 111, 80
RGB Percent	18%, 44%, 31%
CMY	0.8235, 0.5647, 0.6863
CMYK	0.59, 0.00, 0.28, 0.56
HSL	152°, 42%, 31%
HSV	152°, 59%, 44%
XYZ	8.2146, 12.5060, 9.5704
YIQ	87.7320, -29.3850, -23.6330

# Conversions

## Conversions Part 2

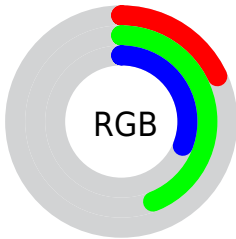
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 88, 111
Decimal	2977616
CIELab	42.01, -28.98, 11.09
CIELCh	42, 31.026, 159.053
Yxy	12.5060, 0.2712, 0.4129
Android (android.graphics.Color)	4281167696 (0xFF2D6F50)
YUV	87.7320, -3.8119, -37.4760
Hunter-Lab	35.3638, -20.4231, 8.7092

# Details

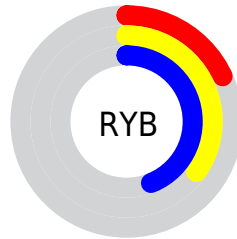
The Hex color **2D6F50** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6F2D4C**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **61A381**, and **003E23** is the 20% darker color. If you saturate the color by 10%, you get **226F4B**, and if you desaturate by 10%, it is **386F55**.

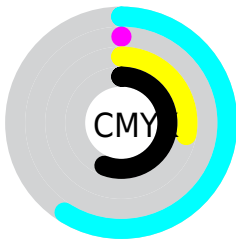
# Distribution



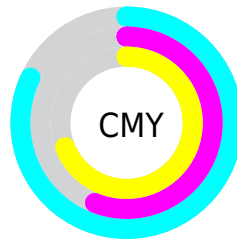
- Red (18%)
- Green (44%)
- Blue (31%)



- Red (18%)
- Yellow (35%)
- Blue (44%)



- Cyan (59%)
- Magenta (0%)
- Yellow (28%)
- Black (56%)



- Cyan (82%)
- Magenta (56%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D6F50 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 2D6F50 by changing the saturation by 10% instead.



 2D6F50

 2D6F50

FFFFFF

 0F5639

 61A381

 003E23

 7BBF9B

 00280E

 96DBB6

 000D00

 B2F7D2

 000000

 CEFFEE

 EBFFFF

 2D6F50

 2D6F50

 226F4B

 386F55

■ 176F46

■ 436F5A

■ 0C6F40

■ 4E6F60

■ 016F3B

■ 596F65

■ 006F3B

■ 656F6A

■ 706F6F

■ 7B6F74

■ 866F7A

■ 916F7F

# Harmonies

## Analogous

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



506B3A



2D6F50



00706A

# Triad

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



2D6F50



486395



905344

# Complementary

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



2D6F50



6F2D4C

# 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.



944E5C



2D6F50



70598B

# Square

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



2D6F50



006B92



895176



825B33

# Rectangle

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



2D6F50



00707B



895176



93504C



# Sweetspot

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



2D6F50



779185



4D6F2D



3A4A42



C9C9C9



4A4A4A



# Same Dimension

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



2D6F50



2A9161



2D6E6F



323835



007840



00F783



# Inverse Universe

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



6F2D4C



912A5B



6F2E2D



383235



780038



F70074



# Previews

## White Background



This preview shows how the Hex color 2D6F50 looks on a white background.

## Color Contrast Check

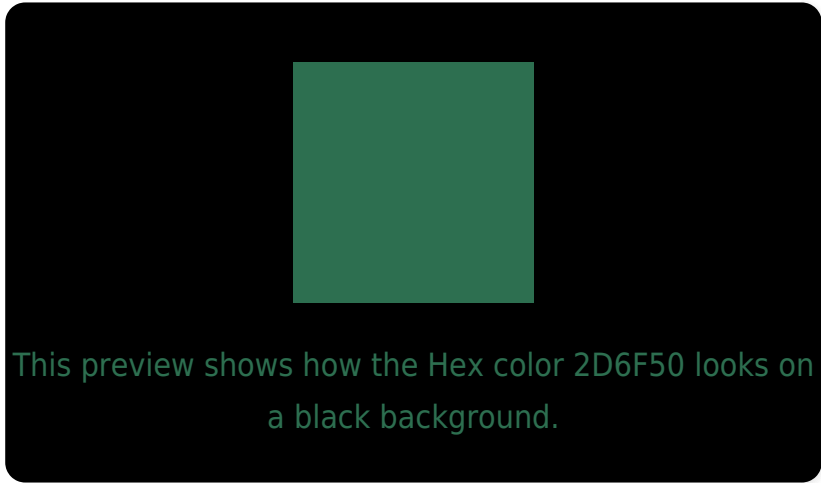
Large Text (above 18pt) WCAG AA ✓ Pass

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

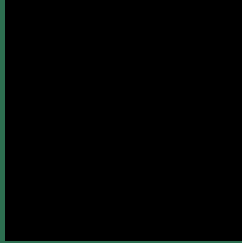
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D6F50 Background



This preview shows how black text looks on a background with the Hex color 2D6F50.



This preview shows how white text looks on a background with the Hex color 2D6F50.

# 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**  
2D6F50

**Protanopia**  
6A634A

**Deuteranopia**  
715F54



**Tritanopia**  
386A73

# Trichromacy



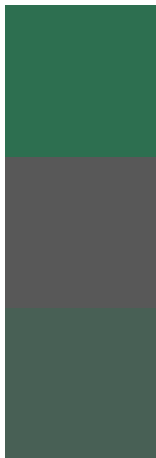
**Original Color**  
2D6F50

**Protanomaly**  
54674C

**Deuteranomaly**  
586553

**Tritanomaly**  
346C66

# Monochromacy



**Original Color**  
2D6F50

**Achromatopsia**  
585858

**Achromatomaly**  
486055

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D6F50 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 #2D6F50 looks like.

```
.text, #text, p{  
    color:#2D6F50  
}
```

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 #2D6F50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D6F50
}
```

## Border

The CSS property to change the border of an element to Hex 2D6F50 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
#2D6F50 }
```

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

```
.border{ border-color:#2D6F50 }
```

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

Here you see how a box with a 4 pixel #2D6F50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D6F50; -webkit-box-shadow:4px 4px  
4px 4px #2D6F50; box-shadow:4px 4px 4px  
4px #2D6F50 }
```

# Background

The CSS property to change the background color of an element to Hex 2D6F50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D6F50 }
```

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

```
.background{ background-color:#2D6F50 }
```

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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