

# Converting Colors

Hex(2D753D)

Have a look what the booklet for  
Hex(2D753D) contains.

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# Color

**Hex(2D753D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D753D
RGB	45, 117, 61
RGB Percent	18%, 46%, 24%
CMY	0.8235, 0.5412, 0.7608
CMYK	0.62, 0.00, 0.48, 0.54
HSL	133°, 44%, 32%
HSV	133°, 62%, 46%
XYZ	8.2858, 13.6174, 6.6066
YIQ	89.0880, -24.9360, -32.6800

# Conversions

## Conversions Part 2

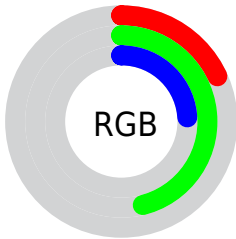
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 104, 117
Decimal	2979133
CIELab	43.68, -35.54, 24.30
CIELCh	44, 43.053, 145.630
Yxy	13.6174, 0.2906, 0.4776
Android (android.graphics.Color)	4281169213 (0xFF2D753D)
YUV	89.0880, -13.8474, -38.6652
Hunter-Lab	36.9017, -24.4983, 15.2164

# Details

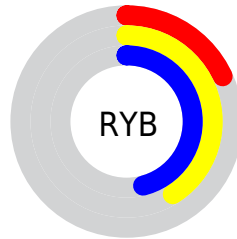
The Hex color **2D753D** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **752D65**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **62AA6D**, and **004410** is the 20% darker color. If you saturate the color by 10%, you get **217534**, and if you desaturate by 10%, it is **397546**.

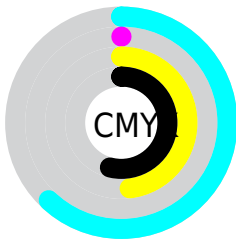
# Distribution



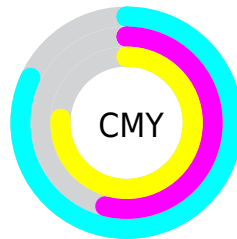
- Red (18%)
- Green (46%)
- Blue (24%)



- Red (18%)
- Yellow (41%)
- Blue (46%)



- Cyan (62%)
- Magenta (0%)
- Yellow (48%)
- Black (54%)



- Cyan (82%)
- Magenta (54%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D753D 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 2D753D by changing the saturation by 10% instead.



 2D753D

 2D753D

FFFFFF

 0D5C26

 62AA6D

 004410

 7DC587

 002D00

 98E2A1

 001500

 B4FEBD


 000000

 D0FFD9

 EDFFF5

 2D753D

 2D753D

 217534

 397546

■ 16752B

■ 44754F

■ 0A7522

■ 507558

■ 00751A

■ 5C7561

■ 67756A

■ 737574

■ 7F757D

■ 8B7586

■ 96758F

# Harmonies

## Analogous

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



5C6E22



2D753D



007861

# Triad

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



2D753D



006DAE



A84A4A

# Complementary

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



2D753D



752D65

# 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.



A5476E



2D753D



5F60A8

# Square

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



2D753D



0075A2



8E5190



99562C

# Rectangle

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



2D753D



007979



8E5190



A94756



# Sweetspot

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



2D753D



7D9984



65752D



3C4D3F



CCCCCC



4D4D4D



# Same Dimension

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



2D753D



289941



2D7561



353B36



007A1B



00FA38



# Inverse Universe

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



752D65



992880



752D41



3B3539



7A005F



FA00C2



# Previews

## White Background



This preview shows how the Hex color 2D753D looks on a white background.

## Color Contrast Check

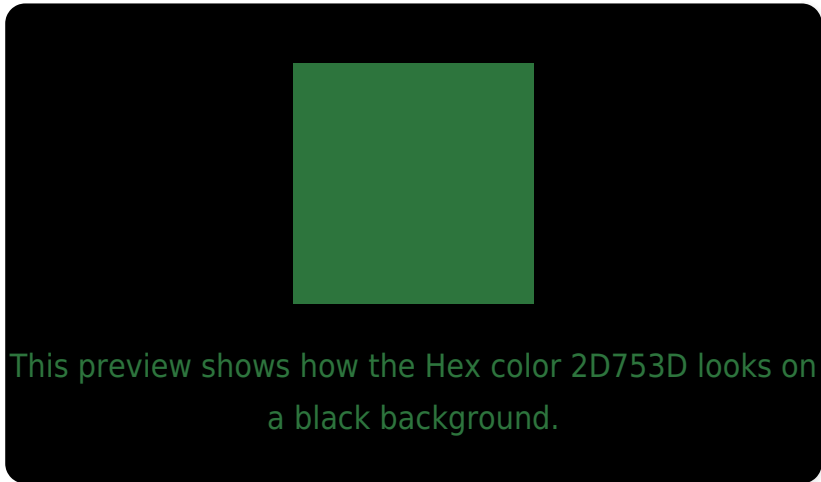
Large Text (above 18pt) WCAG AA ✓ Pass

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

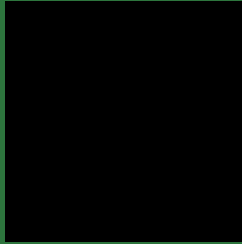
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D753D Background



This preview shows how black text looks on a background with the Hex color 2D753D.



This preview shows how white text looks on a background with the Hex color 2D753D.

# 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**  
2D753D

**Protanopia**  
716738

**Deuteranopia**  
7C6242



**Tritanopia**  
3D6E77

# Trichromacy



**Original Color**  
2D753D

**Protanomaly**  
586C3A

**Deuteranomaly**  
5F6940

**Tritanomaly**  
377162

# Monochromacy



**Original Color**  
2D753D

**Achromatopsia**  
595959

**Achromatomaly**  
49634F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D753D 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 #2D753D looks like.

```
.text, #text, p{  
    color:#2D753D  
}
```

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 #2D753D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D753D
}
```

## Border

The CSS property to change the border of an element to Hex 2D753D 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
#2D753D }
```

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

```
.border{ border-color:#2D753D }
```

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

Here you see how a box with a 4 pixel #2D753D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D753D; -webkit-box-shadow:4px 4px  
4px 4px #2D753D; box-shadow:4px 4px 4px  
4px #2D753D }
```

# Background

The CSS property to change the background color of an element to Hex 2D753D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D753D }
```

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

```
.background{ background-color:#2D753D }
```

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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