

# Converting Colors

Hex(2D7755)

Have a look what the booklet for  
Hex(2D7755) contains.

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# Color

Hex(2D7755)

# Conversions

## Conversions Part 1

Format	Color
Hex	2D7755
RGB	45, 119, 85
RGB Percent	18%, 47%, 33%
CMY	0.8235, 0.5333, 0.6667
CMYK	0.62, 0.00, 0.29, 0.53
HSL	152°, 45%, 32%
HSV	152°, 62%, 47%
XYZ	9.3187, 14.4074, 10.8841
YIQ	92.9980, -33.1900, -26.2620

# Conversions

## Conversions Part 2

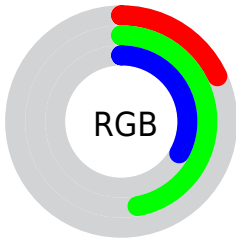
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 93, 119
Decimal	2979669
CIELab	44.81, -31.56, 12.03
CIElCh	45, 33.778, 159.140
Yxy	14.4074, 0.2692, 0.4163
Android (android.graphics.Color)	4281169749 (0xFF2D7755)
YUV	92.9980, -3.9430, -42.0942
Hunter-Lab	37.9571, -22.6021, 9.5687

# Details

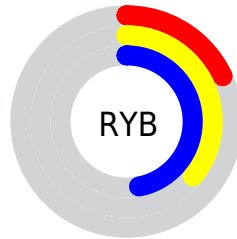
The Hex color **2D7755** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **772D4F**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **62AC87**, and **004628** is the 20% darker color. If you saturate the color by 10%, you get **217750**, and if you desaturate by 10%, it is **39775A**.

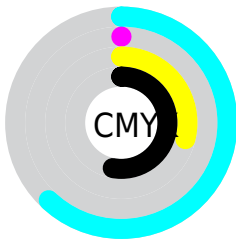
# Distribution



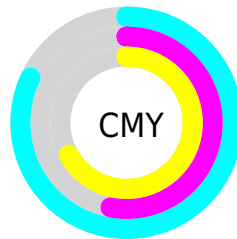
- Red (18%)
- Green (47%)
- Blue (33%)



- Red (18%)
- Yellow (36%)
- Blue (47%)



- Cyan (62%)
- Magenta (0%)
- Yellow (29%)
- Black (53%)



- Cyan (82%)
- Magenta (53%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D7755 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 2D7755 by changing the saturation by 10% instead.



 2D7755

 2D7755

FFFFFF

 0C5E3E

 62AC87

 004628

 7DC7A1

 002F13

 98E4BC

 001900

 B4FFD8


 000000

 D1FFF4

 EEEFFF

 2D7755

 2D7755

 217750

 39775A

■ 15774A

■ 457760

■ 097745

■ 517765

■ 007740

■ 5D776B

■ 697770

■ 747776

■ 80777B

■ 8C7781

■ 987786

# Harmonies

## Analogous

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



54733D



2D7755



007972

# Triad

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



2D7755



4B6AA1



9B5848

# Complementary

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



2D7755



772D4F

# 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.



9F5362



2D7755



785F96

# Square

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



2D7755



00729E



94567F



8B6135

# Rectangle

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



2D7755



007885



94567F



9E5550



# Sweetspot

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



2D7755



7E9C8E



50772D



3D4F47



CFCFCF



4F4F4F



# Same Dimension

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



2D7755



279C66



2D7577



353B38



007A42



00FA87



# Inverse Universe

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



772D4F



9C275C



772F2D



3B3537



7A0038



FA0073



# Previews

## White Background



This preview shows how the Hex color 2D7755 looks on a white background.

## Color Contrast Check

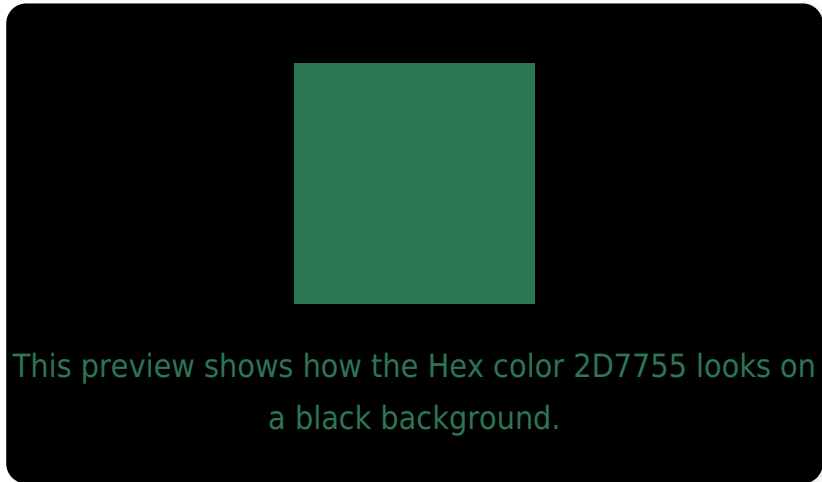
Large Text (above 18pt) WCAG AA ✓ Pass

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

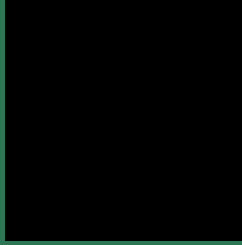
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D7755 Background



This preview shows how black text looks on a background with the Hex color 2D7755.



This preview shows how white text looks on a background with the Hex color 2D7755.

# 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**  
2D7755

**Protanopia**  
71694F

**Deuteranopia**  
796559



**Tritanopia**  
3A727B

# Trichromacy



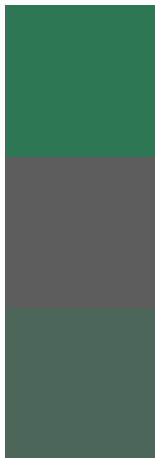
**Original Color**  
2D7755

**Protanomaly**  
586E51

**Deuteranomaly**  
5D6C58

**Tritanomaly**  
35746D

# Monochromacy



**Original Color**  
2D7755

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
4C665A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D7755 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 #2D7755 looks like.

```
.text, #text, p{  
    color:#2D7755  
}
```

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 #2D7755 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D7755
}
```

## Border

The CSS property to change the border of an element to Hex 2D7755 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
#2D7755 }
```

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

```
.border{ border-color:#2D7755 }
```

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

Here you see how a box with a 4 pixel #2D7755 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D7755; -webkit-box-shadow:4px 4px  
4px 4px #2D7755; box-shadow:4px 4px 4px  
4px #2D7755 }
```

# Background

The CSS property to change the background color of an element to Hex 2D7755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D7755 }
```

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

```
.background{ background-color:#2D7755 }
```

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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