

Converting Colors

Hex(2D7567)

Have a look what the booklet for
Hex(2D7567) contains.

Hex(2D7567)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2D7567)

Conversions

Conversions Part 1

Format	Color
Hex	2D7567
RGB	45, 117, 103
RGB Percent	18%, 46%, 40%
CMY	0.8235, 0.5412, 0.5961
CMYK	0.62, 0.00, 0.12, 0.54
HSL	168°, 44%, 32%
HSV	168°, 62%, 46%
XYZ	9.8917, 14.2597, 15.0630
YIQ	93.8760, -38.4180, -19.6180

Conversions

Conversions Part 2

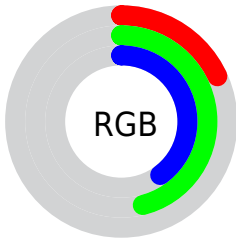
Format	Color
RYB	45, 85, 117
Decimal	2979175
CIELab	44.60, -26.03, 1.05
CIELCh	45, 26.054, 177.690
Yxy	14.2597, 0.2522, 0.3636
Android (android.graphics.Color)	4281169255 (0xFF2D7567)
YUV	93.8760, 4.4981, -42.8643
Hunter-Lab	37.7621, -19.3261, 2.7831

Details

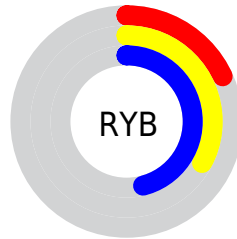
The Hex color **2D7567** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **752D3B**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **63AA9A**, and **004438** is the 20% darker color. If you saturate the color by 10%, you get **217565**, and if you desaturate by 10%, it is **397569**.

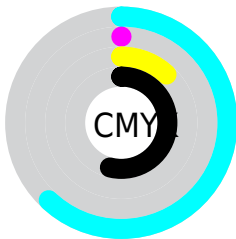
Distribution



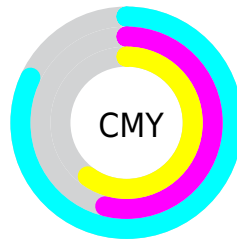
- Red (18%)
- Green (46%)
- Blue (40%)



- Red (18%)
- Yellow (33%)
- Blue (46%)



- Cyan (62%)
- Magenta (0%)
- Yellow (12%)
- Black (54%)



- Cyan (82%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D7567 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 2D7567 by changing the saturation by 10% instead.

 2D7567

 2D7567

FFFFFF

 0C5C4F

 63AA9A

 004438

 7EC5B5

 002D23

 99E1D0

 00190D

 B5FEED


 000000

 D1FFFF

 EEEFFF

 2D7567

 2D7567

 217565

 397569

■ 167562

■ 44756C

■ 0A7560

■ 50756E

■ 00755E

■ 5C7570

■ 677572

■ 737575

■ 7F7577

■ 8B7579

■ 96757B

Harmonies

Analogous

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



4A7352



2D7567



12757D

Triad

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



2D7567



6A6490



8A6046

Complementary

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



2D7567



752D3B

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.



935A56



2D7567



835D81

Square

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



2D7567



476C94



91596C



79683E

Rectangle

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



2D7567



177389



91596C



8E5E4A

Sweetspot

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



2D7567



7D9994



3B752D



3C4D49



CCCCCC



4D4D4D

Same Dimension

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



2D7567



289983



2D5F75



353B3A



007A63



00FAC9

Inverse Universe

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



752D3B



99283E



75432D



3B3536



7A0018



FA0031

Previews

White Background



This preview shows how the Hex color 2D7567 looks on a white background.

Color Contrast Check

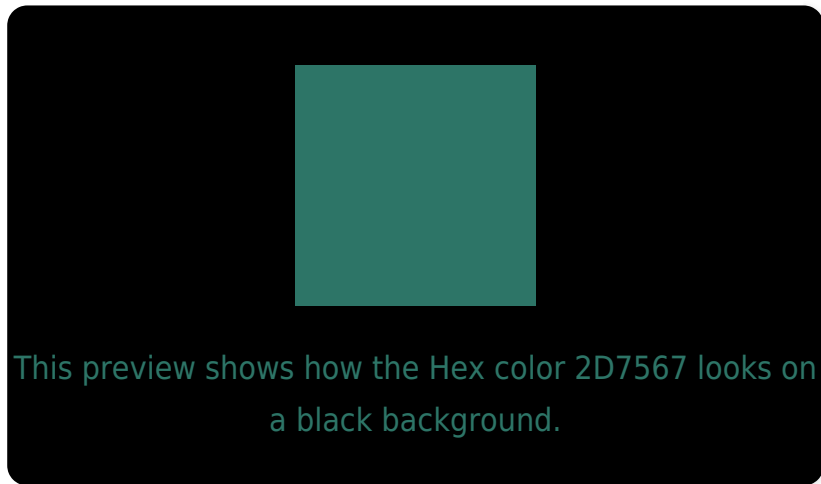
Large Text (above 18pt) WCAG AA ✓ Pass

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

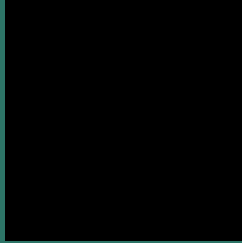
Any Text WCAG AA × Fail

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 2D7567 Background



This preview shows how black text looks on a background with the Hex color 2D7567.



This preview shows how white text looks on a background with the Hex color 2D7567.

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
2D7567

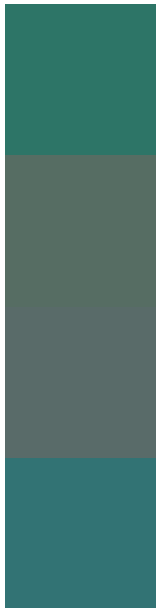
Protanopia
6D6960

Deuteranopia
72666A



Tritanopia
35727B

Trichromacy



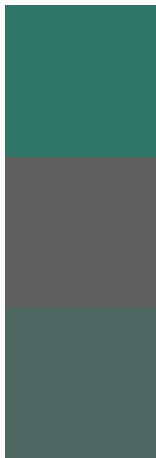
Original Color
2D7567

Protanomaly
566D63

Deuteranomaly
596B69

Tritanomaly
327374

Monochromacy



Original Color
2D7567

Achromatopsia
5E5E5E

Achromatomaly
4C6661

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D7567 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 #2D7567 looks like.

```
.text, #text, p{  
    color:#2D7567  
}
```

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 #2D7567 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D7567
}
```

Border

The CSS property to change the border of an element to Hex 2D7567 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
#2D7567 }
```

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

```
.border{ border-color:#2D7567 }
```

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

Here you see how a box with a 4 pixel #2D7567 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D7567; -webkit-box-shadow:4px 4px  
4px 4px #2D7567; box-shadow:4px 4px 4px  
4px #2D7567 }
```

Background

The CSS property to change the background color of an element to Hex 2D7567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D7567 }
```

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

```
.background{ background-color:#2D7567 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor