

Converting Colors

Hex(2D7644)

Have a look what the booklet for
Hex(2D7644) contains.

Hex(2D7644)	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(2D7644)

Conversions

Conversions Part 1

Format	Color
Hex	2D7644
RGB	45, 118, 68
RGB Percent	18%, 46%, 27%
CMY	0.8235, 0.5373, 0.7333
CMYK	0.62, 0.00, 0.42, 0.54
HSL	139°, 45%, 32%
HSV	139°, 62%, 46%
XYZ	8.6040, 13.9321, 7.7045
YIQ	90.4730, -27.4580, -31.0260

Conversions

Conversions Part 2

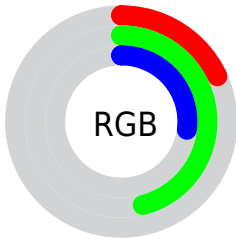
Format	Color
RYB	45, 101, 118
Decimal	2979396
CIELab	44.14, -34.70, 20.96
CIELCh	44, 40.539, 148.868
Yxy	13.9321, 0.2845, 0.4607
Android (android.graphics.Color)	4281169476 (0xFF2D7644)
YUV	90.4730, -11.0792, -39.8798
Hunter-Lab	37.3257, -24.1738, 13.8898

Details

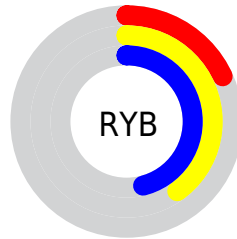
The Hex color **2D7644** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **762D5F**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **62AB75**, and **004517** is the 20% darker color. If you saturate the color by 10%, you get **21763C**, and if you desaturate by 10%, it is **39764C**.

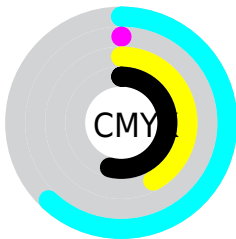
Distribution



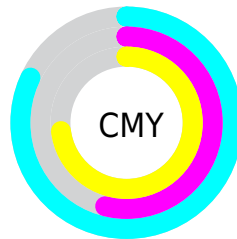
- Red (18%)
- Green (46%)
- Blue (27%)



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



- Cyan (62%)
- Magenta (0%)
- Yellow (42%)
- Black (54%)



- Cyan (82%)
- Magenta (54%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D7644 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 2D7644 by changing the saturation by 10% instead.

 2D7644

 2D7644

FFFFFF

 0D5D2D

 62AB75

 004517

 7DC68F

 002E00

 98E3A9

 001700

 B4FFC4


 000000

 D0FFE1

 EDFFFD

 2D7644

 2D7644

 21763C

 39764C

■ 157634

■ 457654

■ 0A762C

■ 50765C

■ 007625

■ 5C7664

■ 68766C

■ 747674

■ 80767D

■ 8B7685

■ 97768D

Harmonies

Analogous

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



5A702A



2D7644



007966

Triad

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



2D7644



156CAC



A54E4A

Complementary

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



2D7644



762D5F

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.



A44A6B



2D7644



6760A3

Square

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



2D7644



0075A1



90528C



965A2F

Rectangle

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



2D7644



00797D



90528C



A74C54

Sweetspot

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



2D7644



7C9985



60762D



3B4D40



CCCCCC



4D4D4D

Same Dimension

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



2D7644



28994B



2D7667



353B37



007A27



00FA4F

Inverse Universe

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



762D5F



992875



762D3C



3B3539



7A0054



FA00AB

Previews

White Background



This preview shows how the Hex color 2D7644 looks on a white background.

Color Contrast Check

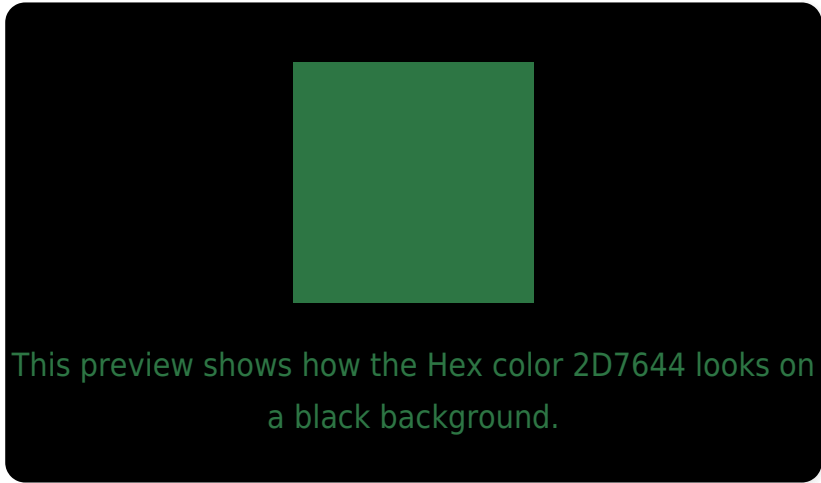
Large Text (above 18pt) WCAG AA ✓ Pass

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

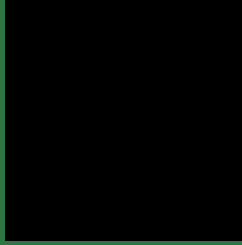
Any Text WCAG AA × Fail

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 2D7644 Background



This preview shows how black text looks on a background with the Hex color 2D7644.



This preview shows how white text looks on a background with the Hex color 2D7644.

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
2D7644

Protanopia
71683F

Deuteranopia
7C6348



Tritanopia
3D7079

Trichromacy



Original Color
2D7644

Protanomaly
586D41

Deuteranomaly
5F6A47

Tritanomaly
377266

Monochromacy



Original Color
2D7644

Achromatopsia
5A5A5A

Achromatomaly
4A6452

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D7644 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 #2D7644 looks like.

```
.text, #text, p{  
    color:#2D7644  
}
```

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 #2D7644 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D7644  
}
```

Border

The CSS property to change the border of an element to Hex 2D7644 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  
#2D7644 }
```

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

```
.border{ border-color:#2D7644 }
```

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

Here you see how a box with a 4 pixel #2D7644 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D7644; -webkit-box-shadow:4px 4px  
4px 4px #2D7644; box-shadow:4px 4px 4px  
4px #2D7644 }
```

Background

The CSS property to change the background color of an element to Hex 2D7644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D7644 }
```

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

```
.background{ background-color:#2D7644 }
```

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