

# Converting Colors

Hex(2D8F64)

Have a look what the booklet for  
Hex(2D8F64) contains.

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# Color

Hex(2D8F64)

# Conversions

## Conversions Part 1

Format	Color
Hex	2D8F64
RGB	45, 143, 100
RGB Percent	18%, 56%, 39%
CMY	0.8235, 0.4392, 0.6078
CMYK	0.69, 0.00, 0.30, 0.44
HSL	154°, 52%, 37%
HSV	154°, 69%, 56%
XYZ	13.2049, 21.1229, 15.4378
YIQ	108.7960, -44.6050, -34.1490

# Conversions

## Conversions Part 2

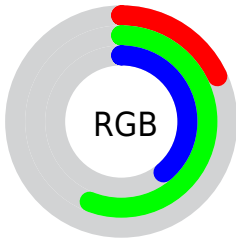
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 108, 143
Decimal	2985828
CIELab	53.08, -38.81, 14.82
CIElCh	53, 41.547, 159.100
Yxy	21.1229, 0.2653, 0.4244
Android (android.graphics.Color)	4281175908 (0xFF2D8F64)
YUV	108.7960, -4.3364, -55.9491
Hunter-Lab	45.9597, -29.1437, 12.2564

# Details

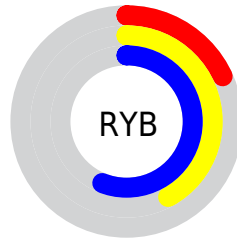
The Hex color **2D8F64** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8F2D58**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **67C697**, and **005C35** is the 20% darker color. If you saturate the color by 10%, you get **1F8F5E**, and if you desaturate by 10%, it is **3B8F6A**.

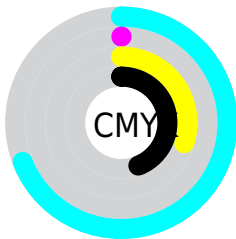
# Distribution



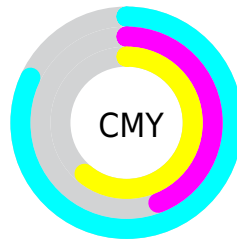
- Red (18%)
- Green (56%)
- Blue (39%)



- Red (18%)
- Yellow (42%)
- Blue (56%)



- Cyan (69%)
- Magenta (0%)
- Yellow (30%)
- Black (44%)



- Cyan (82%)
- Magenta (44%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D8F64 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 2D8F64 by changing the saturation by 10% instead.





2D8F64



2D8F64

FFFFFF



00754C



67C697



005C35



83E2B2



00431F



9FFFCD



002C09



BCFEEA



001300



D8FFFF



000000



F6FFFF



2D8F64



2D8F64



1F8F5E



3B8F6A

■ 108F57

■ 4A8F71

■ 028F51

■ 588F77

■ 008F50

■ 668F7D

■ 758F83

■ 838F8A

■ 918F90

■ 9F8F96

■ AE8F9C

# Harmonies

## Analogous

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



638A45



2D8F64



009189

# Triad

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



2D8F64



557FC5



BD6753

# Complementary

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



2D8F64



8F2D58

# 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.



C26075



2D8F64



9071B6

# Square

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



2D8F64



0089C1



B36599



A8743B

# Rectangle

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



2D8F64



0090A0



B36599



C0645E



# Sweetspot

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



2D8F64



93BAA9



598F2D



475E54



DEDEDE



5E5E5E



# Same Dimension

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



2D8F64



22BA77



2D8A8F



404744



00874C



000804



# Inverse Universe

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



8F2D58



BA2264



8F322D



474043



87003B



080003



# Previews

## White Background



This preview shows how the Hex color 2D8F64 looks on a white background.

## Color Contrast Check

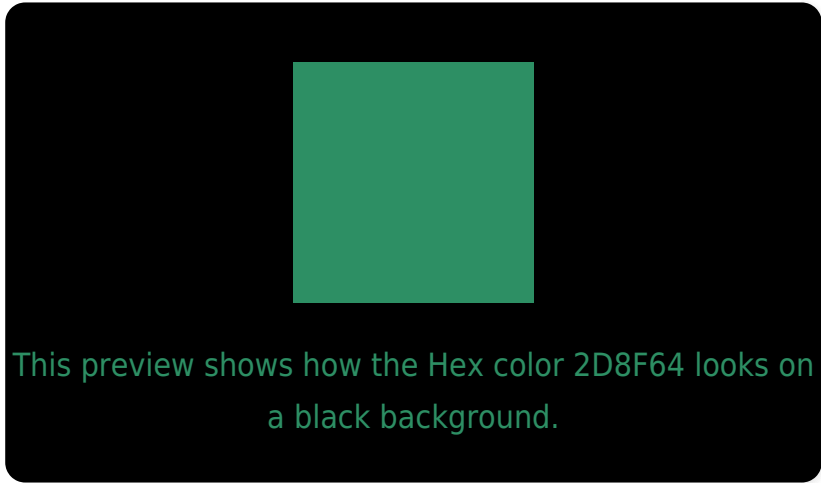
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

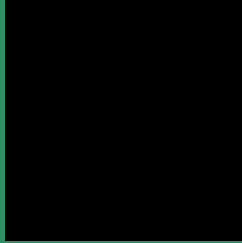
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2D8F64 Background



This preview shows how black text looks on a background with the Hex color 2D8F64.



This preview shows how white text looks on a background with the Hex color 2D8F64.

# 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**  
2D8F64

**Protanopia**  
877E5C

**Deuteranopia**  
917969



**Tritanopia**  
408994

# Trichromacy



**Original Color**  
2D8F64



**Protanomaly**  
66845F



**Deuteranomaly**  
6D8167



**Tritanomaly**  
398B83

# Monochromacy



**Original Color**  
2D8F64



**Achromatopsia**  
6D6D6D



**Achromatomaly**  
56796A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D8F64 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 #2D8F64 looks like.

```
.text, #text, p{  
    color:#2D8F64  
}
```

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 #2D8F64 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D8F64
}
```

## Border

The CSS property to change the border of an element to Hex 2D8F64 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
#2D8F64 }
```

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

```
.border{ border-color:#2D8F64 }
```

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

Here you see how a box with a 4 pixel #2D8F64 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D8F64; -webkit-box-shadow:4px 4px  
4px 4px #2D8F64; box-shadow:4px 4px 4px  
4px #2D8F64 }
```

# Background

The CSS property to change the background color of an element to Hex 2D8F64 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D8F64 }
```

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

```
.background{ background-color:#2D8F64 }
```

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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