

# Converting Colors

Hex(2D8580)

Have a look what the booklet for  
Hex(2D8580) contains.

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# Color

**Hex(2D8580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D8580
RGB	45, 133, 128
RGB Percent	18%, 52%, 50%
CMY	0.8235, 0.4784, 0.4980
CMYK	0.66, 0.00, 0.04, 0.48
HSL	177°, 49%, 35%
HSV	177°, 66%, 52%
XYZ	13.3660, 18.8915, 23.3640
YIQ	106.1180, -50.8430, -20.2110

# Conversions

## Conversions Part 2

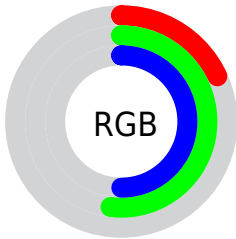
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 90, 133
Decimal	2983296
CIELab	50.56, -26.89, -4.98
CIELCh	51, 27.343, 190.489
Yxy	18.8915, 0.2403, 0.3396
Android (android.graphics.Color)	4281173376 (0xFF2D8580)
YUV	106.1180, 10.7878, -53.6005
Hunter-Lab	43.4643, -21.1708, -1.4460

# Details

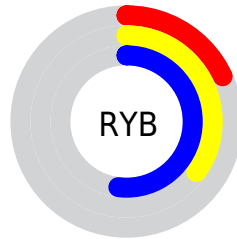
The Hex color **2D8580** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **852D32**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **67BBB5**, and **00534F** is the 20% darker color. If you saturate the color by 10%, you get **20857F**, and if you desaturate by 10%, it is **3A8581**.

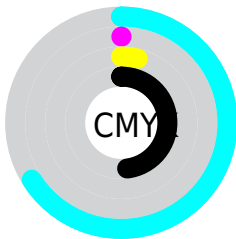
# Distribution



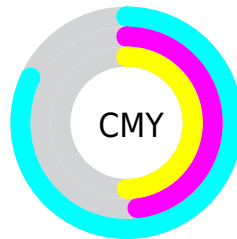
- Red (18%)
- Green (52%)
- Blue (50%)



- Red (18%)
- Yellow (35%)
- Blue (52%)



- Cyan (66%)
- Magenta (0%)
- Yellow (4%)
- Black (48%)



- Cyan (82%)
- Magenta (48%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D8580 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 2D8580 by changing the saturation by 10% instead.



 2D8580

 2D8580

FFFFFF

 016B67

 67BBB5

 00534F

 83D6D0

 003B38

 9FF3EC

 002523

 BBFFFF

 00040E

 D8FFFF

 000000

 F5FFFF

 2D8580

 2D8580

 20857F

 3A8581

■ 12857E

■ 488582

■ 05857E

■ 558582

■ 00857D

■ 628583

■ 708584

■ 7D8585

■ 8A8585

■ 978586

■ A58587

# Harmonies

## Analogous

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



4A8468



2D8580



228396

# Triad

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



2D8580



866F9C



95724D

# Complementary

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



2D8580



852D32

# 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.



A36A5B



2D8580



9C6988

# Square

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



2D8580



6578A6



A66671



807A4A

# Rectangle

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



2D8580



3381A0



A66671



9B6F50



# Sweetspot

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



2D8580



8BADAB



33852D



425756



D6D6D6



575757



# Same Dimension

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



2D8580



24ADA6



2D5F85



3C4242



00827B



000302



# Inverse Universe

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



852D32



AD242C



85532D



423C3C



820007



030000



# Previews

## White Background



This preview shows how the Hex color 2D8580 looks on a white background.

## Color Contrast Check

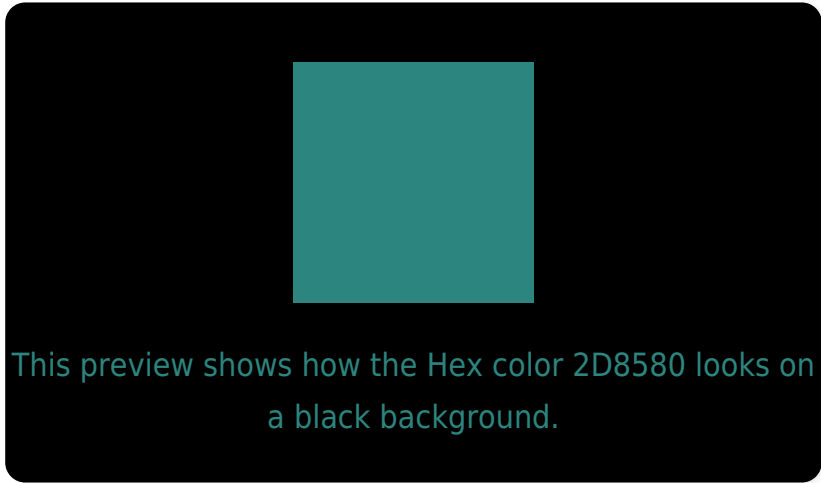
Large Text (above 18pt) WCAG AA ✓ Pass

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

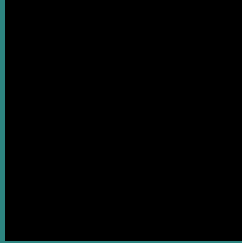
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2D8580 Background



This preview shows how black text looks on a background with the Hex color 2D8580.

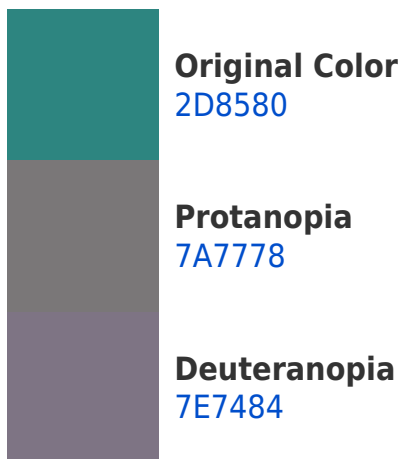


This preview shows how white text looks on a background with the Hex color 2D8580.

# 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





**Tritanopia**  
34838E

# Trichromacy



**Original Color**  
2D8580



**Protanomaly**  
5E7C7B



**Deuteranomaly**  
617A83



**Tritanomaly**  
318489

# Monochromacy



**Original Color**  
2D8580



**Achromatopsia**  
6A6A6A



**Achromatomaly**  
547472

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D8580 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 #2D8580 looks like.

```
.text, #text, p{  
    color:#2D8580  
}
```

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 #2D8580 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D8580
}
```

## Border

The CSS property to change the border of an element to Hex 2D8580 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
#2D8580 }
```

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

```
.border{ border-color:#2D8580 }
```

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

Here you see how a box with a 4 pixel #2D8580 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D8580; -webkit-box-shadow:4px 4px  
4px 4px #2D8580; box-shadow:4px 4px 4px  
4px #2D8580 }
```

# Background

The CSS property to change the background color of an element to Hex 2D8580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D8580 }
```

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

```
.background{ background-color:#2D8580 }
```

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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