

Converting Colors

Hex(2D5A71)

Have a look what the booklet for
Hex(2D5A71) contains.

Hex(2D5A71)	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(2D5A71)

Conversions

Conversions Part 1

Format	Color
Hex	2D5A71
RGB	45, 90, 113
RGB Percent	18%, 35%, 44%
CMY	0.8235, 0.6471, 0.5569
CMYK	0.60, 0.20, 0.00, 0.56
HSL	200°, 43%, 31%
HSV	200°, 60%, 44%
XYZ	7.7190, 9.0625, 16.9652
YIQ	79.1670, -34.2030, -2.3870

Conversions

Conversions Part 2

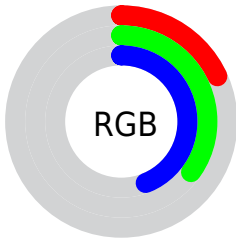
Format	Color
RYB	45, 72, 113
Decimal	2972273
CIELab	36.10, -8.06, -17.79
CIElCh	36, 19.527, 245.618
Yxy	9.0625, 0.2287, 0.2685
Android (android.graphics.Color)	4281162353 (0xFF2D5A71)
YUV	79.1670, 16.6797, -29.9645
Hunter-Lab	30.1039, -6.9125, -12.3403




Details

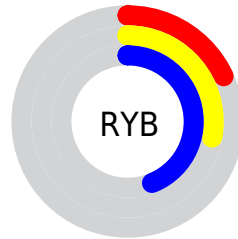
The Hex color **2D5A71** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **71442D**, and the grayscale version is **4F4F4F**.




A 20% lighter version of the original color is **618CA5**, and **002C41** is the 20% darker color. If you saturate the color by 10%, you get **225671**, and if you desaturate by 10%, it is **385E71**.

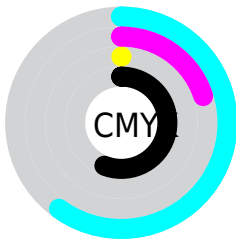
Distribution







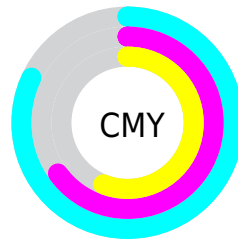
-  Red (18%)
-  Green (35%)
-  Blue (44%)






-  Red (18%)
-  Yellow (28%)
-  Blue (44%)



-  Cyan (60%)
-  Magenta (20%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (82%)
-  Magenta (65%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D5A71 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 2D5A71 by changing the saturation by 10% instead.

■ 2D5A71

■ 2D5A71

FFFFFF

■ 0F4358

■ 618CA5

■ 002C41

■ 7BA6C0

■ 00182B

■ 96C2DC

■ 000116

■ B2DDF8

■ 000000

■ CEFAFF

■ EBFFFF

■ 2D5A71

■ 2D5A71

■ 225671

■ 385E71

■ 165271

■ 446271

■ 0B4F71

■ 4F6571

■ 004B71

■ 5A6971

■ 666D71

■ 717171

■ 7C7571

■ 877971

■ 937C71

Harmonies

Analogous

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



205D67



2D5A71



445574

Triad

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



2D5A71



734953



4C593B

Complementary

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



2D5A71



71442D

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.



5D5536



2D5A71



734B43

Square

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



2D5A71



6B4B62



6B5039



395C48

Rectangle

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



2D5A71



545271



6B5039



525838

Sweetspot

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



2D5A71



798B94



2D7144



3A444A



C9C9C9



4A4A4A

Same Dimension

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



2D5A71



297094



2D3871



323638



004F78



00A4F7

Inverse Universe

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



712D5A



942970



71662D



383236



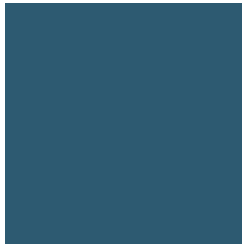
78004F



F700A4

Previews

White Background



This preview shows how the Hex color 2D5A71 looks on a white background.

Color Contrast Check

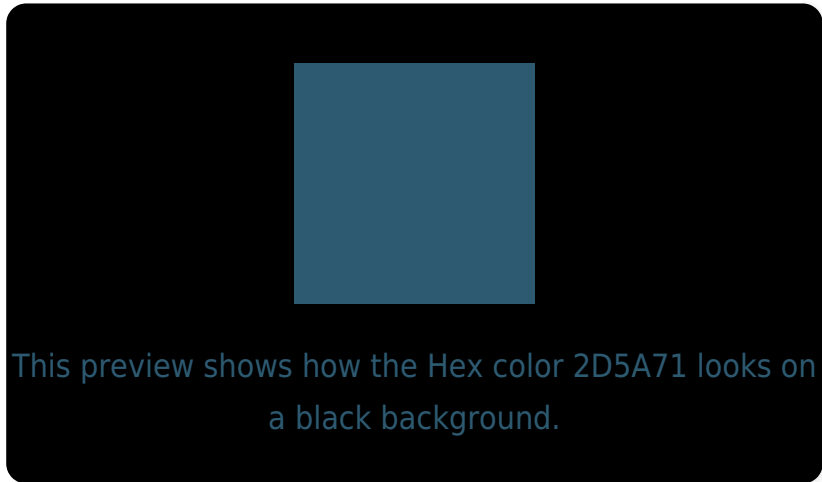
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

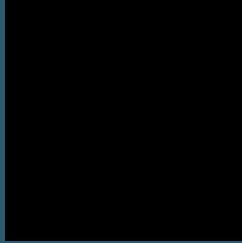
Any Text WCAG AA × Fail

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 2D5A71 Background



This preview shows how black text looks on a background with the Hex color 2D5A71.

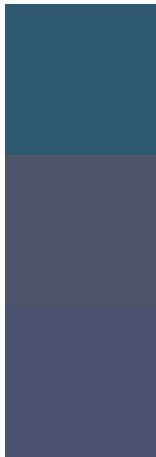


This preview shows how white text looks on a background with the Hex color 2D5A71.

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
2D5A71

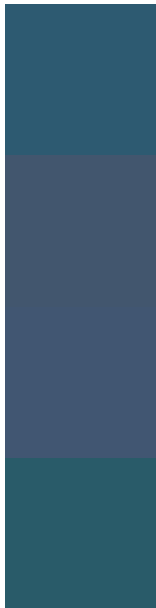
Protanopia
4E546C

Deuteranopia
4C5372



Tritanopia
275C64

Trichromacy



Original Color
2D5A71

Protanomaly
42566E

Deuteranomaly
415672

Tritanomaly
295B69

Monochromacy



Original Color
2D5A71

Achromatopsia
4F4F4F

Achromatomaly
43535B

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D5A71 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 #2D5A71 looks like.

```
.text, #text, p{  
    color:#2D5A71  
}
```

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 #2D5A71 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D5A71
}
```

Border

The CSS property to change the border of an element to Hex 2D5A71 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
#2D5A71 }
```

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

```
.border{ border-color:#2D5A71 }
```

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

Here you see how a box with a 4 pixel #2D5A71 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D5A71; -webkit-box-shadow:4px 4px  
4px 4px #2D5A71; box-shadow:4px 4px 4px  
4px #2D5A71 }
```

Background

The CSS property to change the background color of an element to Hex 2D5A71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D5A71 }
```

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

```
.background{ background-color:#2D5A71 }
```

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