

Converting Colors

Hex(2D6871)

Have a look what the booklet for
Hex(2D6871) contains.

Hex(2D6871)	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(2D6871)

Conversions

Conversions Part 1

Format	Color
Hex	2D6871
RGB	45, 104, 113
RGB Percent	18%, 41%, 44%
CMY	0.8235, 0.5922, 0.5569
CMYK	0.60, 0.08, 0.00, 0.56
HSL	188°, 43%, 31%
HSV	188°, 60%, 44%
XYZ	9.0131, 11.6508, 17.3966
YIQ	87.3850, -38.0530, -9.7090

Conversions

Conversions Part 2

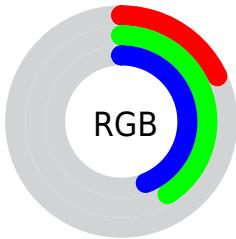
Format	Color
RYB	45, 77, 113
Decimal	2975857
CIELab	40.66, -16.20, -10.84
CIElCh	41, 19.492, 213.800
Yxy	11.6508, 0.2368, 0.3061
Android (android.graphics.Color)	4281165937 (0xFF2D6871)
YUV	87.3850, 12.6282, -37.1716
Hunter-Lab	34.1332, -12.5989, -6.3249




Details

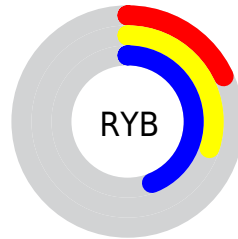
The Hex color **2D6871** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **71362D**, and the grayscale version is **575757**.




A 20% lighter version of the original color is **629BA5**, and **003941** is the 20% darker color. If you saturate the color by 10%, you get **226771**, and if you desaturate by 10%, it is **386971**.

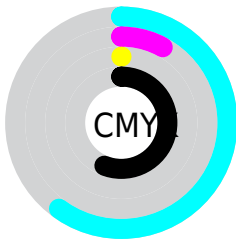
Distribution







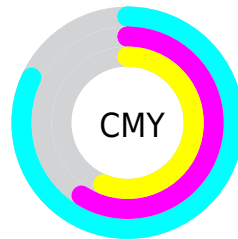
-  Red (18%)
-  Green (41%)
-  Blue (44%)






-  Red (18%)
-  Yellow (30%)
-  Blue (44%)



-  Cyan (60%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (82%)
-  Magenta (59%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D6871 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 2D6871 by changing the saturation by 10% instead.



2D6871



2D6871

FFFFFF



0D5059



629BA5



003941



7DB6C0



00232B



98D2DC



000617



B4EEF8



000000



D0FFFF



EDFFFF



2D6871



2D6871



226771



386971

■ 166571

■ 446B71

■ 0B6471

■ 4F6C71

■ 006271

■ 5A6E71

■ 666F71

■ 717171

■ 7C7271

■ 877471

■ 937571

Harmonies

Analogous

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



346961



2D6871



38657C

Triad

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



2D6871



76566E



695F40

Complementary

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



2D6871



71362D

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.



775A44



2D6871



7F545E

Square

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



2D6871



655B7A



7F564F



586445

Rectangle

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



2D6871



46627F



7F564F



6E5E40

Sweetspot

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



2D6871



799094



2D7135



3A484A



C9C9C9



4A4A4A

Same Dimension

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



2D6871



298694



2D4771



323738



006878



00D7F7

Inverse Universe

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



712D68



942986



71572D



383237



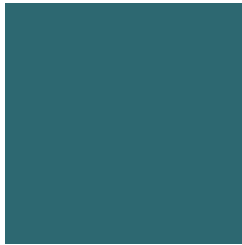
780068



F700D7

Previews

White Background



This preview shows how the Hex color 2D6871 looks on a white background.

Color Contrast Check

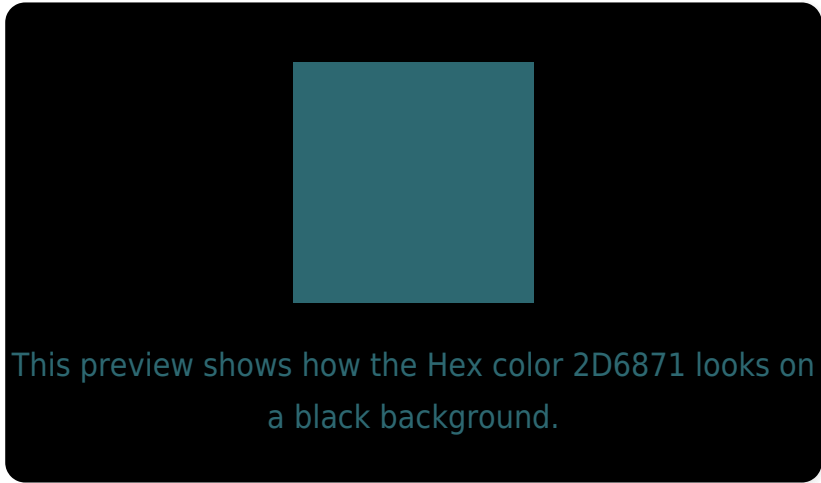
Large Text (above 18pt) WCAG AA ✓ Pass

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

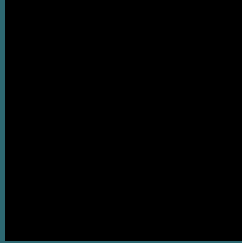
Any Text WCAG AA × Fail

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 2D6871 Background



This preview shows how black text looks on a background with the Hex color 2D6871.

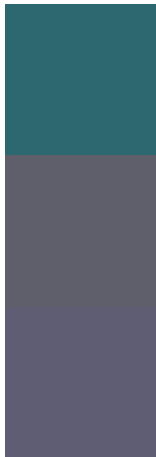


This preview shows how white text looks on a background with the Hex color 2D6871.

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
2D6871

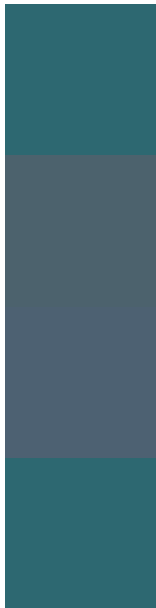
Protanopia
5E5F6B

Deuteranopia
5F5D73



Tritanopia
2D6871

Trichromacy



Original Color
2D6871

Protanomaly
4C626D

Deuteranomaly
4D6172

Tritanomaly
2D6871

Monochromacy



Original Color
2D6871

Achromatopsia
575757

Achromatomaly
485D60

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D6871 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 #2D6871 looks like.

```
.text, #text, p{  
    color:#2D6871  
}
```

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 #2D6871 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D6871  
}
```

Border

The CSS property to change the border of an element to Hex 2D6871 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  
#2D6871 }
```

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

```
.border{ border-color:#2D6871 }
```

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

Here you see how a box with a 4 pixel #2D6871 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D6871; -webkit-box-shadow:4px 4px  
4px 4px #2D6871; box-shadow:4px 4px 4px  
4px #2D6871 }
```

Background

The CSS property to change the background color of an element to Hex 2D6871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D6871 }
```

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

```
.background{ background-color:#2D6871 }
```

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