

Converting Colors

Hex(2B7070)

Have a look what the booklet for
Hex(2B7070) contains.

Hex(2B7070)	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(2B7070)

Conversions

Conversions Part 1

Format	Color
Hex	2B7070
RGB	43, 112, 112
RGB Percent	17%, 44%, 44%
CMY	0.8314, 0.5608, 0.5608
CMYK	0.62, 0.00, 0.00, 0.56
HSL	180°, 45%, 30%
HSV	180°, 62%, 44%
XYZ	9.7151, 13.2718, 17.3789
YIQ	91.3690, -41.1240, -14.6280

Conversions

Conversions Part 2

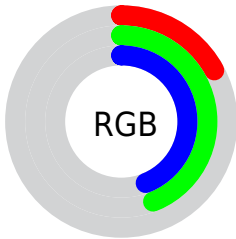
Format	Color
RYB	43, 78, 112
Decimal	2846832
CIELab	43.17, -21.26, -6.47
CIElCh	43, 22.227, 196.927
Yxy	13.2718, 0.2407, 0.3288
Android (android.graphics.Color)	4281036912 (0xFF2B7070)
YUV	91.3690, 10.1711, -42.4196
Hunter-Lab	36.4305, -16.1520, -2.7826

Details

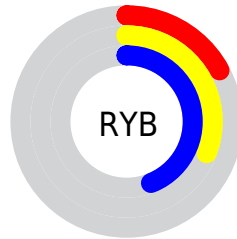
The Hex color **2B7070** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **702B2B**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **61A4A4**, and **004040** is the 20% darker color. If you saturate the color by 10%, you get **207070**, and if you desaturate by 10%, it is **367070**.

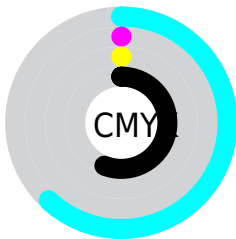
Distribution



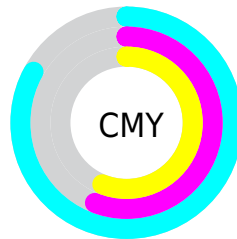
- Red (17%)
- Green (44%)
- Blue (44%)



- Red (17%)
- Yellow (31%)
- Blue (44%)



- Cyan (62%)
- Magenta (0%)
- Yellow (0%)
- Black (56%)



- Cyan (83%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2B7070 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 2B7070 by changing the saturation by 10% instead.

■ 2B7070

■ 2B7070

FFFFFF

■ 075758

■ 61A4A4

■ 004040

■ 7CBFBF

■ 00292A

■ 97DBDB

■ 001416

■ B3F8F7

■ 000000

■ D0FFFF

■ EDFFFF

■ 2B7070

■ 2B7070

■ 207070

■ 367070

■ 157070

■ 417070

■ 097070

■ 4D7070

■ 007070

■ 587070

■ 637070

■ 6E7070

■ 797070

■ 857070

■ 907070

Harmonies

Analogous

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



3D6F5D



2B7070



2B6E80

Triad

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



2B7070



755E7F



7A6242

Complementary

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



2B7070



702B2B

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.



865C4C



2B7070



85596F

Square

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



2B7070



5D6489



8B585C



686842

Rectangle

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



2B7070



386C87



8B585C



7F6045

Sweetspot

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



2B7070



779191



2B702B



3A4A4A



C9C9C9



4A4A4A

Same Dimension

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



2B7070



269191



2B4E70



323838



007878



00F7F7

Inverse Universe

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



702B70



912691



704E2B



383238



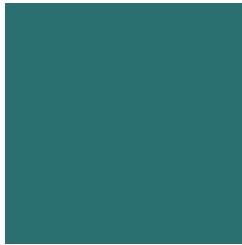
780078



F700F7

Previews

White Background



This preview shows how the Hex color 2B7070 looks on a white background.

Color Contrast Check

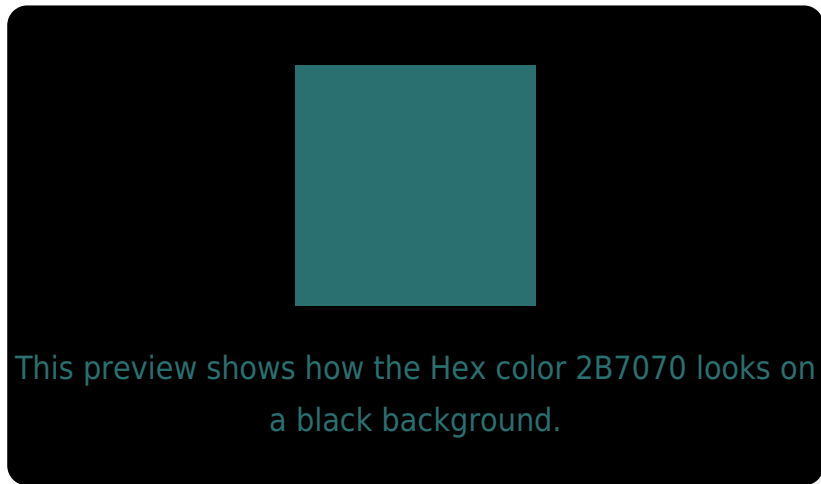
Large Text (above 18pt) WCAG AA ✓ Pass

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

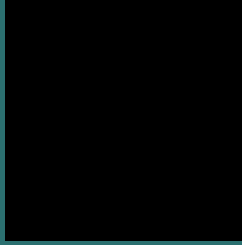
Any Text WCAG AA × Fail

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 2B7070 Background



This preview shows how black text looks on a background with the Hex color 2B7070.

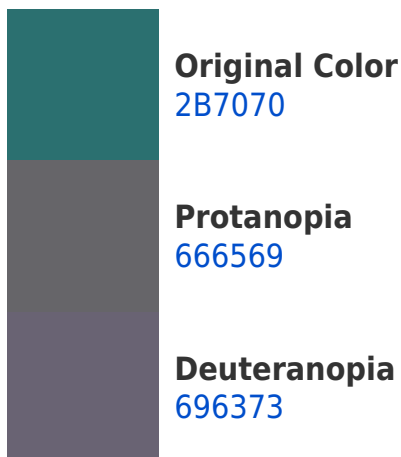



This preview shows how white text looks on a background with the Hex color 2B7070.

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](#).

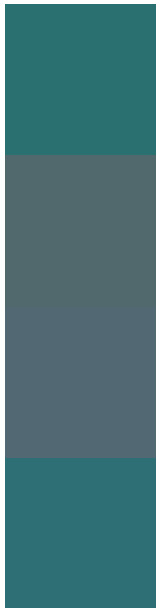
Dichromacy





Tritanopia
2F6F78

Trichromacy



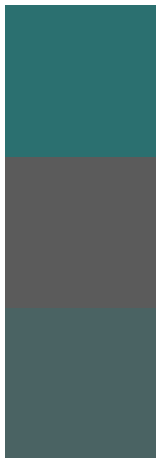
Original Color
2B7070

Protanomaly
51696C

Deuteranomaly
526872

Tritanomaly
2E6F75

Monochromacy



Original Color
2B7070

Achromatopsia
5B5B5B

Achromatomaly
4A6363

CSS Examples

Text

The CSS property to change the color of the text to Hex 2B7070 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 #2B7070 looks like.

```
.text, #text, p{  
    color:#2B7070  
}
```

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 #2B7070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B7070
}
```

Border

The CSS property to change the border of an element to Hex 2B7070 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
#2B7070 }
```

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

```
.border{ border-color:#2B7070 }
```

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

Here you see how a box with a 4 pixel #2B7070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B7070; -webkit-box-shadow:4px 4px  
4px 4px #2B7070; box-shadow:4px 4px 4px  
4px #2B7070 }
```

Background

The CSS property to change the background color of an element to Hex 2B7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B7070 }
```

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

```
.background{ background-color:#2B7070 }
```

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