

Converting Colors

Hex(21747D)

Have a look what the booklet for
Hex(21747D) contains.

Hex(21747D)	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(21747D)

Conversions

Conversions Part 1

Format	Color
Hex	21747D
RGB	33, 116, 125
RGB Percent	13%, 45%, 49%
CMY	0.8706, 0.5451, 0.5098
CMYK	0.74, 0.07, 0.00, 0.51
HSL	186°, 58%, 31%
HSV	186°, 74%, 49%
XYZ	10.5743, 14.2948, 21.6039
YIQ	92.2090, -52.3570, -14.7970

Conversions

Conversions Part 2

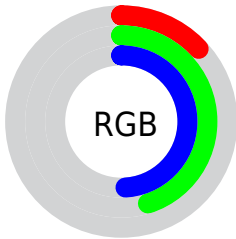
Format	Color
RYB	33, 77, 125
Decimal	2192509
CIELab	44.65, -20.96, -12.08
CIELCh	45, 24.188, 209.954
Yxy	14.2948, 0.2275, 0.3076
Android (android.graphics.Color)	4280382589 (0xFF21747D)
YUV	92.2090, 16.1660, -51.9263
Hunter-Lab	37.8084, -16.2419, -7.4126

Details

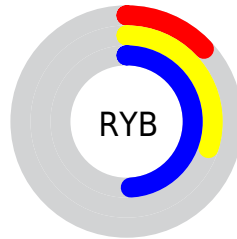
The Hex color **21747D** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7D2A21**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **5CA8B2**, and **00434C** is the 20% darker color. If you saturate the color by 10%, you get **15737D**, and if you desaturate by 10%, it is **2E757D**.

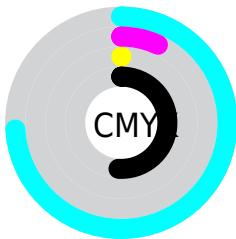
Distribution



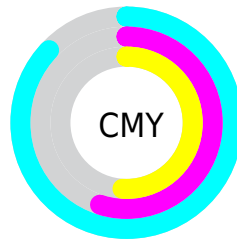
- Red (13%)
- Green (45%)
- Blue (49%)



- Red (13%)
- Yellow (30%)
- Blue (49%)



- Cyan (74%)
- Magenta (7%)
- Yellow (0%)
- Black (51%)



- Cyan (87%)
- Magenta (55%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Hex color 21747D 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 21747D by changing the saturation by 10% instead.

 21747D

 21747D

FFFFFF

 005B64

 5CA8B2

 00434C

 78C4CD

 002D35

 94E0E9

 001A20

 B0FCFF

 000007


 CDFFFF

 000000

 EAFFFF

 21747D

 21747D

 15737D

 2E757D

08727D

3A767D

00717D

47787D

53797D

607A7D

6C7B7D

797D7D

857E7D

927F7D

Harmonies

Analogous

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



327469



21747D



2F718C

Triad

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



21747D



835E7E



776841

Complementary

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



21747D



7D2A21

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.



886147



21747D



8F5A6A

Square

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



21747D



6C648C



915C57



626E46

Rectangle

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



21747D



436E91



915C57



7D6642

Sweetspot

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



21747D



7FA0A3



217D29



3C5052



D1D1D1



525252

Same Dimension

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



21747D



1495A3



21477D



393F40



007380



000000

Inverse Universe

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



7D2174



A31495



7D5721



40393F



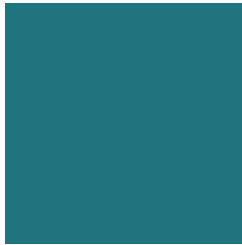
800073



000000

Previews

White Background



This preview shows how the Hex color 21747D looks on a white background.

Color Contrast Check

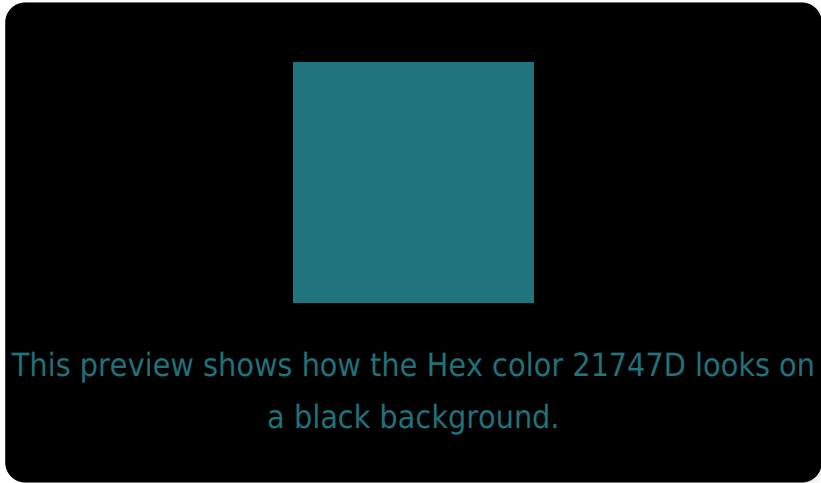
Large Text (above 18pt) WCAG AA ✓ Pass

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

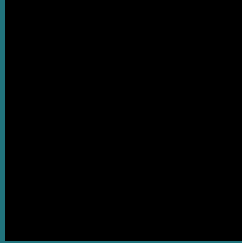
Any Text WCAG AA × Fail

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 21747D Background



This preview shows how black text looks on a background with the Hex color 21747D.

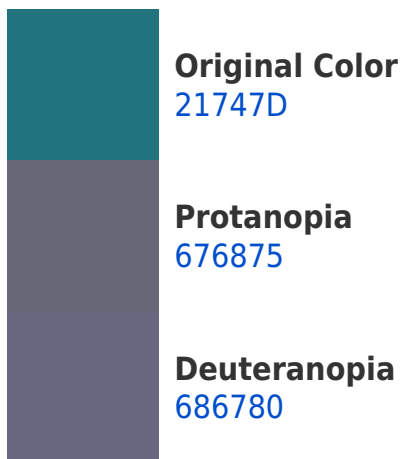


This preview shows how white text looks on a background with the Hex color 21747D.

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](#).

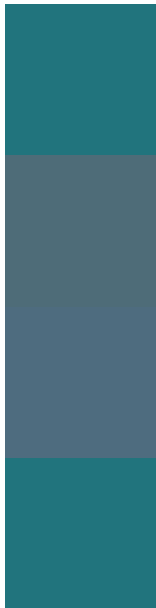
Dichromacy





Tritanopia
21747D

Trichromacy



Original Color
21747D

Protanomaly
4E6C78

Deuteranomaly
4E6C7F

Tritanomaly
21747D

Monochromacy



Original Color
21747D

Achromatopsia
5C5C5C

Achromatomaly
476568

CSS Examples

Text

The CSS property to change the color of the text to Hex 21747D 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 #21747D looks like.

```
.text, #text, p{  
  color:#21747D  
}
```

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 #21747D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21747D
}
```

Border

The CSS property to change the border of an element to Hex 21747D 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
#21747D }
```

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

```
.border{ border-color:#21747D }
```

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

Here you see how a box with a 4 pixel #21747D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21747D; -webkit-box-shadow:4px 4px  
4px 4px #21747D; box-shadow:4px 4px 4px  
4px #21747D }
```

Background

The CSS property to change the background color of an element to Hex 21747D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21747D }
```

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

```
.background{ background-color:#21747D }
```

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