

Converting Colors

Hex(33647A)

Have a look what the booklet for
Hex(33647A) contains.

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Color

Hex(33647A)

Conversions

Conversions Part 1

Format	Color
Hex	33647A
RGB	51, 100, 122
RGB Percent	20%, 39%, 48%
CMY	0.8000, 0.6078, 0.5216
CMYK	0.58, 0.18, 0.00, 0.52
HSL	199°, 41%, 34%
HSV	199°, 58%, 48%
XYZ	9.4353, 11.2233, 20.0814
YIQ	87.8570, -36.2660, -3.5460

Conversions

Conversions Part 2

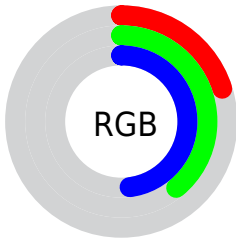
Format	Color
RYB	51, 80, 122
Decimal	3368058
CIELab	39.95, -9.67, -17.37
CIELCh	40, 19.880, 240.901
Yxy	11.2233, 0.2316, 0.2755
Android (android.graphics.Color)	4281558138 (0xFF33647A)
YUV	87.8570, 16.8325, -32.3236
Hunter-Lab	33.5012, -8.3544, -12.0890




Details

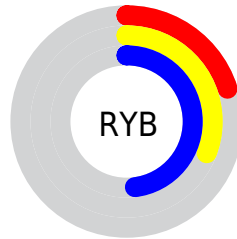
The Hex color **33647A** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7A4933**, and the grayscale version is **585858**.




A 20% lighter version of the original color is **6897AE**, and **003549** is the 20% darker color. If you saturate the color by 10%, you get **27607A**, and if you desaturate by 10%, it is **3F687A**.

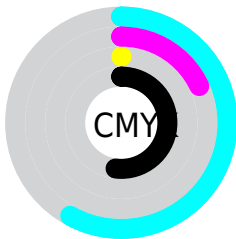
Distribution







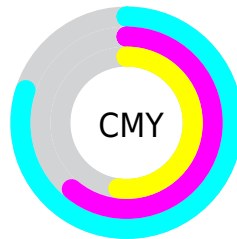
-  Red (20%)
-  Green (39%)
-  Blue (48%)






-  Red (20%)
-  Yellow (31%)
-  Blue (48%)



-  Cyan (58%)
-  Magenta (18%)
-  Yellow (0%)
-  Black (52%)



-  Cyan (80%)
-  Magenta (61%)
-  Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33647A 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 33647A by changing the saturation by 10% instead.



33647A



33647A

FFFFFF



164C61



6897AE



003549



82B2CA



002033



9DCDE6



00021E



B9E9FF



000000



D6FFFF



F3FFFF



33647A



33647A



27607A



3F687A

■ 1B5C7A

■ 4B6C7A

■ 0E597A

■ 586F7A

■ 02557A

■ 64737A

■ 00547A

■ 70777A

■ 7C7B7A

■ 887E7A

■ 95827A

■ A1867A

Harmonies

Analogous

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



29676E



33647A



4A5F7E

Triad

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



33647A



7D525E



586242

Complementary

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



33647A



7A4933

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.



695D3E



33647A



7E534E

Square

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



33647A



73556E



775842



45664E

Rectangle

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



33647A



5A5C7C



775842



5E6140

Sweetspot

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



33647A



83969E



337A48



3F4A4F



CFCFCF



4F4F4F

Same Dimension

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



33647A



2F7C9E



33417A



373B3D



00567D



00AEFC

Inverse Universe

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



7A3364



9E2F7C



7A6C33



3D373B



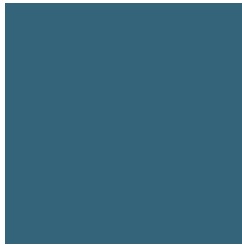
7D0056



FC00AE

Previews

White Background



This preview shows how the Hex color 33647A looks on a white background.

Color Contrast Check

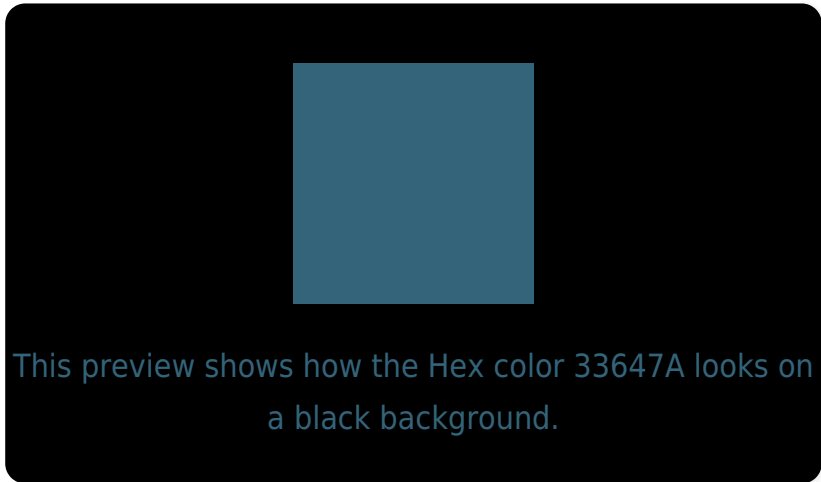
Large Text (above 18pt) WCAG AA ✓ Pass

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

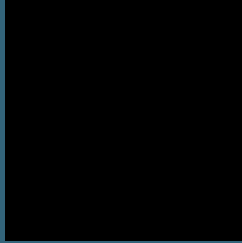
Any Text WCAG AA × Fail

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 33647A Background



This preview shows how black text looks on a background with the Hex color 33647A.

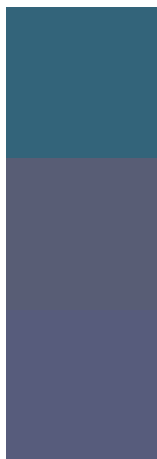


This preview shows how white text looks on a background with the Hex color 33647A.

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
33647A

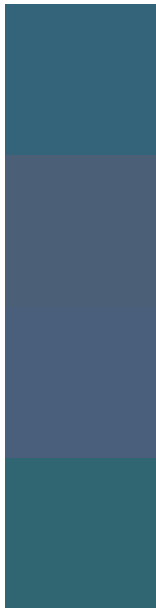
Protanopia
585D75

Deuteranopia
575C7C



Tritanopia
2E666E

Trichromacy



Original Color
33647A

Protanomaly
4B6077

Deuteranomaly
4A5F7B

Tritanomaly
306572

Monochromacy



Original Color
33647A

Achromatopsia
585858

Achromatomaly
4B5C64

CSS Examples

Text

The CSS property to change the color of the text to Hex 33647A 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 #33647A looks like.

```
.text, #text, p{  
    color:#33647A  
}
```

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 #33647A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33647A
}
```

Border

The CSS property to change the border of an element to Hex 33647A 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
#33647A }
```

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

```
.border{ border-color:#33647A }
```

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

Here you see how a box with a 4 pixel #33647A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33647A; -webkit-box-shadow:4px 4px  
4px 4px #33647A; box-shadow:4px 4px 4px  
4px #33647A }
```

Background

The CSS property to change the background color of an element to Hex 33647A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33647A }
```

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

```
.background{ background-color:#33647A }
```

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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