

Converting Colors

Hex(646A68)

Have a look what the booklet for
Hex(646A68) contains.

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Color

Hex(646A68)

Conversions

Conversions Part 1

Format	Color
Hex	646A68
RGB	100, 106, 104
RGB Percent	39%, 42%, 41%
CMY	0.6078, 0.5843, 0.5922
CMYK	0.06, 0.00, 0.02, 0.58
HSL	160°, 3%, 40%
HSV	160°, 6%, 42%
XYZ	12.9083, 14.0169, 15.1219
YIQ	103.9780, -2.9340, -1.8940

Conversions

Conversions Part 2

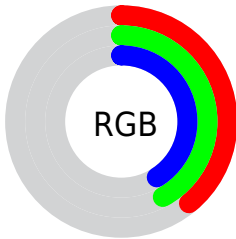
Format	Color
R_{YB}	100, 104, 106
Decimal	6580840
CIE _{Lab}	44.26, -2.72, 0.32
CIE _{LCh}	44, 2.740, 173.316
Yxy	14.0169, 0.3070, 0.3334
Android (android.graphics.Color)	4284770920 (0xFF646A68)
YUV	103.9780, 0.0108, -3.4887
Hunter-Lab	37.4391, -3.9752, 2.2598

Details

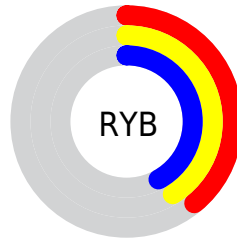
The Hex color **646A68** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **6A6466**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **979D9B**, and **353B39** is the 20% darker color. If you saturate the color by 10%, you get **596A64**, and if you desaturate by 10%, it is **6F6A6C**.

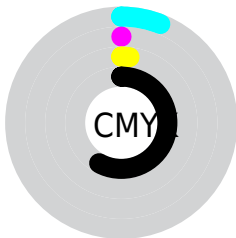
Distribution



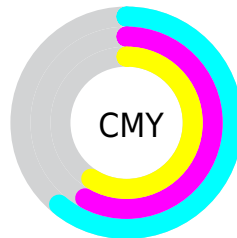
- Red (39%)
- Green (42%)
- Blue (41%)



- Red (39%)
- Yellow (41%)
- Blue (42%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (58%)



- Cyan (61%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Hex color 646A68 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 646A68 by changing the saturation by 10% instead.



646A68



646A68

FFFFFF



4C5250



979D9B



353B39



B1B8B6



202524



CDD4D1



09100E



E9F0EE



000000



646A68



646A68



596A64



6F6A6C



4F6A61



796A6F



446A5D



846A73

■ 3A6A5A

■ 8E6A76

■ 2F6A56

■ 996A7A

■ 246A53

■ A46A7D

■ 1A6A4F

■ AE6A81

■ 0F6A4C

■ B96A84

■ 056A48

■ C36A88

Harmonies

Analogous

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



666A66



646A68



636A6A

Triad

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



646A68



69686D



6D6865

Complementary

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



646A68



6A6466

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.



6E6767



646A68



6B686B

Square

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



646A68



66696D



6D6769



6B6864

Rectangle

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



646A68



636A6C



6D6769



6D6766

Sweetspot

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



646A68



878A89



666A64



434544



C4C4C4



454545

Same Dimension

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



646A68



808A86



64696A



313634



00754E



00F5A3

Inverse Universe

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



6A6466



8A8083



6A6564



363133



750027



F50052

Previews

White Background



This preview shows how the Hex color 646A68 looks on a white background.

Color Contrast Check

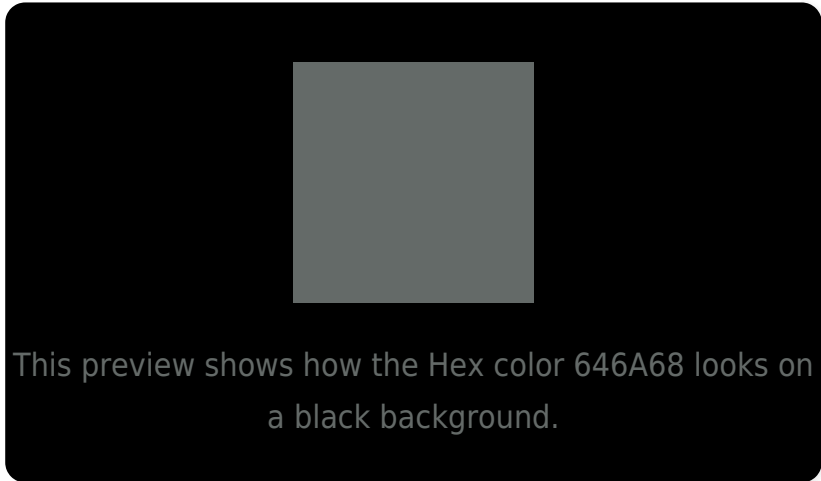
Large Text (above 18pt) WCAG AA ✓ Pass

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

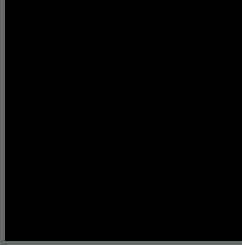
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

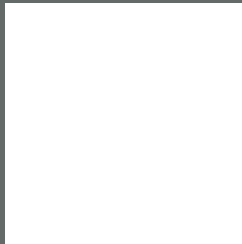
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 646A68 Background



This preview shows how black text looks on a background with the Hex color 646A68.



This preview shows how white text looks on a background with the Hex color 646A68.

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
646A68

Protanopia
6B6867

Deuteranopia
726569



Tritanopia
656971

Trichromacy



Original Color

646A68

Protanomaly

686967

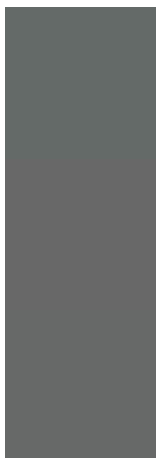
Deuteranomaly

6D6769

Tritanomaly

65696E

Monochromacy



Original Color

646A68

Achromatopsia

686868

Achromatomaly

676968

CSS Examples

Text

The CSS property to change the color of the text to Hex 646A68 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 #646A68 looks like.

```
.text, #text, p{  
    color:#646A68  
}
```

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 #646A68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646A68
}
```

Border

The CSS property to change the border of an element to Hex 646A68 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
#646A68 }
```

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

```
.border{ border-color:#646A68 }
```

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

Here you see how a box with a 4 pixel #646A68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646A68; -webkit-box-shadow:4px 4px  
4px 4px #646A68; box-shadow:4px 4px 4px  
4px #646A68 }
```

Background

The CSS property to change the background color of an element to Hex 646A68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646A68 }
```

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

```
.background{ background-color:#646A68 }
```

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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