

Converting Colors

Hex(646A69)

Have a look what the booklet for
Hex(646A69) contains.

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Color

Hex(646A69)

Conversions

Conversions Part 1

Format	Color
Hex	646A69
RGB	100, 106, 105
RGB Percent	39%, 42%, 41%
CMY	0.6078, 0.5843, 0.5882
CMYK	0.06, 0.00, 0.01, 0.58
HSL	170°, 3%, 40%
HSV	170°, 6%, 42%
XYZ	12.9594, 14.0373, 15.3910
YIQ	104.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

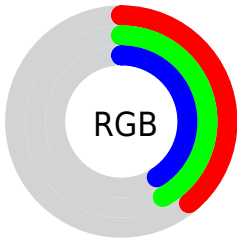
Format	Color
R_{YB}	100, 103, 106
Decimal	6580841
CIE Lab	44.29, -2.51, -0.24
CIE LCh	44, 2.520, 185.500
Yxy	14.0373, 0.3057, 0.3312
Android (android.graphics.Color)	4284770921 (0xFF646A69)
YUV	104.0920, 0.4476, -3.5887
Hunter-Lab	37.4664, -3.8243, 1.8704

Details

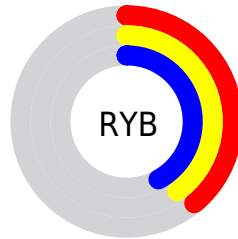
The Hex color **646A69** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **6A6465**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **979D9C**, and **353B3A** is the 20% darker color. If you saturate the color by 10%, you get **596A67**, and if you desaturate by 10%, it is **6F6A6B**.

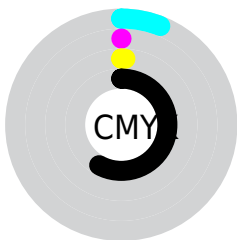
Distribution



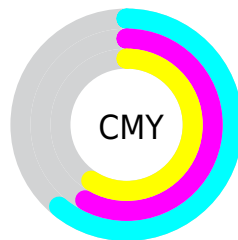
- Red (39%)
- Green (42%)
- Blue (41%)



- Red (39%)
- Yellow (40%)
- Blue (42%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 646A69 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 646A69 by changing the saturation by 10% instead.



646A69



646A69

FFFFFF



4C5251



979D9C



353B3A



B1B8B7



202524



CDD4D3



09100F



E9F0EF



000000



646A69



646A69



596A67



6F6A6B



4F6A65



796A6D



446A64



846A6E

■ 3A6A62

■ 8E6A70

■ 2F6A60

■ 996A72

■ 246A5E

■ A46A74

■ 1A6A5D

■ AE6A75

■ 0F6A5B

■ B96A77

■ 056A59

■ C36A79

Harmonies

Analogous

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



656A67



646A69



646A6B

Triad

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



646A69



6A686C



6C6865

Complementary

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



646A69



6A6465

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.



6D6866



646A69



6C686A

Square

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



646A69



67696D



6D6768



6A6965

Rectangle

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



646A69



646A6C



6D6768



6D6865

Sweetspot

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



646A69



878A89



656A64



434545



C4C4C4



454545

Same Dimension

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



646A69



808A88



64686A



313635



007562



00F5CC

Inverse Universe

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



6A6465



8A8082



6A6664



363132



750014



F50029

Previews

White Background



This preview shows how the Hex color 646A69 looks on a white background.

Color Contrast Check

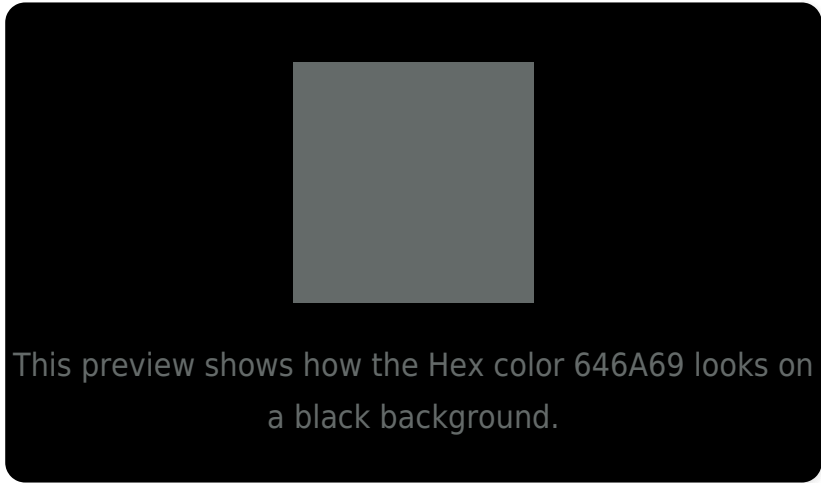
Large Text (above 18pt) WCAG AA ✓ Pass

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

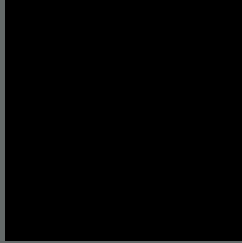
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

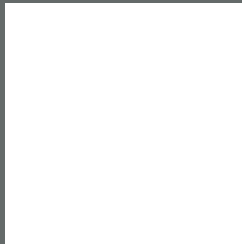
Any Text WCAG AAA × Fail

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

Hex 646A69 Background



This preview shows how black text looks on a background with the Hex color 646A69.



This preview shows how white text looks on a background with the Hex color 646A69.

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


646A69

Protanopia

6B6868

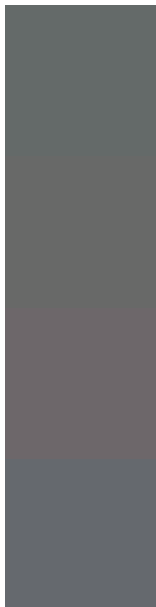
Deuteranopia

72656A



Tritanopia
656971

Trichromacy



Original Color

646A69

Protanomaly

686968

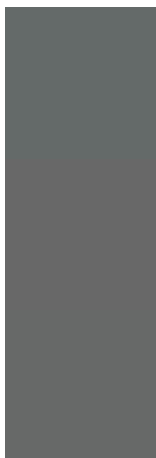
Deuteranomaly

6D676A

Tritanomaly

65696E

Monochromacy



Original Color

646A69

Achromatopsia

686868

Achromatomaly

676968

CSS Examples

Text

The CSS property to change the color of the text to Hex 646A69 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 #646A69 looks like.

```
.text, #text, p{  
    color:#646A69  
}
```

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 #646A69 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646A69
}
```

Border

The CSS property to change the border of an element to Hex 646A69 is called "border". The border property can be set on classes, ids or directly on the HTML element.

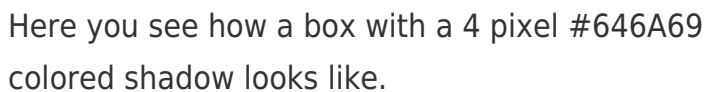
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#646A69 }
```

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

```
.border{ border-color:#646A69 }
```

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



Here you see how a box with a 4 pixel #646A69 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646A69; -webkit-box-shadow:4px 4px  
4px 4px #646A69; box-shadow:4px 4px 4px  
4px #646A69 }
```

Background

The CSS property to change the background color of an element to Hex 646A69 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646A69 }
```

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

```
.background{ background-color:#646A69 }
```

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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