

# Converting Colors

Hex(646A5D)

Have a look what the booklet for  
Hex(646A5D) contains.

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# Color

**Hex(646A5D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	646A5D
RGB	100, 106, 93
RGB Percent	39%, 42%, 36%
CMY	0.6078, 0.5843, 0.6353
CMYK	0.06, 0.00, 0.12, 0.58
HSL	88°, 7%, 39%
HSV	88°, 12%, 42%
XYZ	12.3853, 13.8077, 12.3683
YIQ	102.7240, 0.5970, -5.3150

# Conversions

## Conversions Part 2

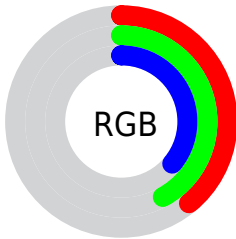
Format	Color
R <sub>Y</sub> B	93, 106, 99
Decimal	6580829
CIE Lab	43.96, -4.94, 6.51
CIE LCh	44, 8.174, 127.191
Yxy	13.8077, 0.3212, 0.3581
Android (android.graphics.Color)	4284770909 (0xFF646A5D)
YUV	102.7240, -4.7939, -2.3889
Hunter-Lab	37.1587, -5.5321, 6.2764

# Details

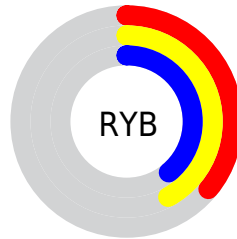
The Hex color **646A5D** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **635D6A**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **979D8F**, and **353B2F** is the 20% darker color. If you saturate the color by 10%, you get **5F6A52**, and if you desaturate by 10%, it is **696A68**.

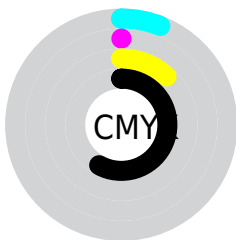
# Distribution



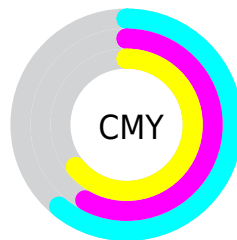
- Red (39%)
- Green (42%)
- Blue (36%)



- Red (36%)
- Yellow (42%)
- Blue (39%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (58%)



- Cyan (61%)
- Magenta (58%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646A5D 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 646A5D by changing the saturation by 10% instead.





646A5D



646A5D

FFFFFF



4C5245



979D8F



353B2F



B2B8AA



20251A



CDD4C5



091000



E9F0E1



000000

FFFFFFE



646A5D



646A5D



5F6A52



696A68



5A6A48



6E6A72

■ 556A3D

■ 736A7D

■ 506A33

■ 786A87

■ 4C6A28

■ 7C6A92

■ 476A1D

■ 816A9D

■ 426A13

■ 866AA7

■ 3D6A08

■ 8B6AB2

■ 396A00

■ 906ABC

# Harmonies

## Analogous

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



6C685A



646A5D



5D6B62

# Triad

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



646A5D



5B6A74



766366

# Complementary

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



646A5D



635D6A

# 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.



72646D



646A5D



636875

# Square

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



646A5D



576B70



6B6673



766460

# Rectangle

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



646A5D



596C67



6B6673



756369



# Sweetspot

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



646A5D



878A84



6A635D



434541



C4C4C4



454545



# Same Dimension

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



646A5D



808A75



5E6A5D



333630



3F7500



84F500



# Inverse Universe

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



635D6A



7F758A



695D6A



333036



360075

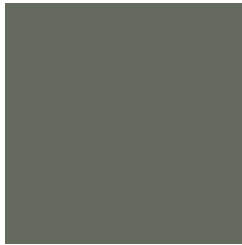


7100F5



# Previews

## White Background



This preview shows how the Hex color 646A5D looks on a white background.

## Color Contrast Check

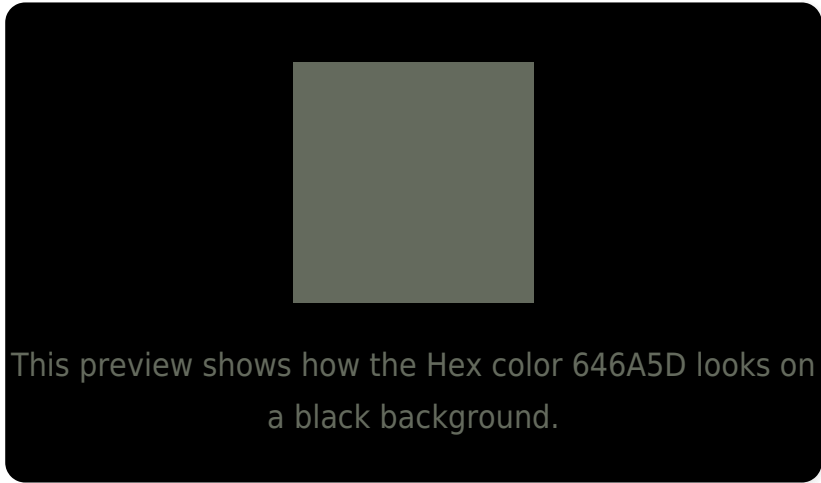
Large Text (above 18pt) WCAG AA ✓ Pass

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

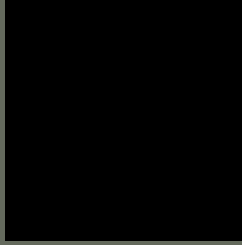
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 646A5D Background



This preview shows how black text looks on a background with the Hex color 646A5D.



This preview shows how white text looks on a background with the Hex color 646A5D.

# 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**  
646A5D

**Protanopia**  
6C675C

**Deuteranopia**  
75645E



**Tritanopia**  
676770

# Trichromacy



**Original Color**  
646A5D

**Protanomaly**  
69685C

**Deuteranomaly**  
6F665E

**Tritanomaly**  
666869

# Monochromacy



**Original Color**  
646A5D

**Achromatopsia**  
676767

**Achromatomaly**  
666863

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646A5D 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 #646A5D looks like.

```
.text, #text, p{  
    color:#646A5D  
}
```

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 #646A5D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646A5D
}
```

## Border

The CSS property to change the border of an element to Hex 646A5D is called "border". The border property can be set on classes, ids or directly on the HTML element.

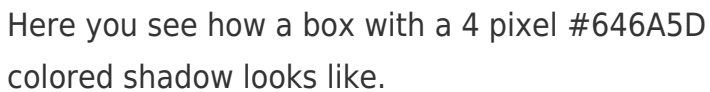
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#646A5D }
```

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

```
.border{ border-color:#646A5D }
```

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



Here you see how a box with a 4 pixel #646A5D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646A5D; -webkit-box-shadow:4px 4px  
4px 4px #646A5D; box-shadow:4px 4px 4px  
4px #646A5D }
```

# Background

The CSS property to change the background color of an element to Hex 646A5D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646A5D }
```

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

```
.background{ background-color:#646A5D }
```

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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