

# Converting Colors

Hex(645B80)

Have a look what the booklet for  
Hex(645B80) contains.

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# Color

**Hex(645B80)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	645B80
RGB	100, 91, 128
RGB Percent	39%, 36%, 50%
CMY	0.6078, 0.6431, 0.4980
CMYK	0.22, 0.29, 0.00, 0.50
HSL	255°, 17%, 43%
HSV	255°, 29%, 50%
XYZ	12.8929, 11.7500, 22.0105
YIQ	97.9090, -6.5130, 13.4150

# Conversions

## Conversions Part 2

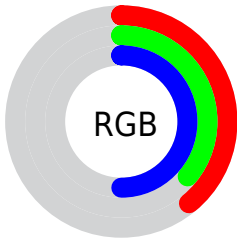
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 91, 128
Decimal	6577024
CIE Lab	40.82, 12.01, -19.42
CIE LCh	41, 22.833, 301.733
Yxy	11.7500, 0.2764, 0.2519
Android (android.graphics.Color)	4284767104 (0xFF645B80)
YUV	97.9090, 14.8349, 1.8338
Hunter-Lab	34.2783, 7.1512, -14.0761

# Details

The Hex color **645B80** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **77805B**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **978DB5**, and **342D4F** is the 20% darker color. If you saturate the color by 10%, you get **5A4E80**, and if you desaturate by 10%, it is **6E6880**.

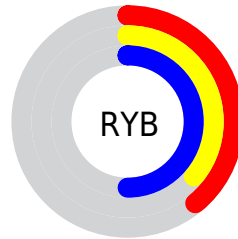
# Distribution



Red (39%)

Green (36%)

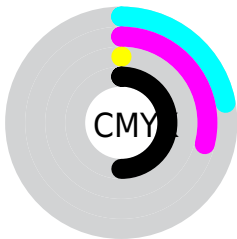
Blue (50%)



Red (39%)

Yellow (36%)

Blue (50%)

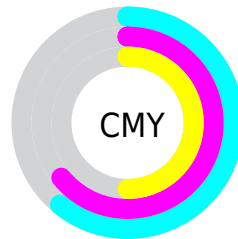


Cyan (22%)

Magenta (29%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (64%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 645B80 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 645B80 by changing the saturation by 10% instead.



645B80

645B80

FFFFFF

4C4467

978DB5

342D4F

B2A8D1

1E1938

CEC3ED

0B0022

EADFFF

000009

FFFBFF

000000

645B80

645B80

5A4E80

6E6880

514180

777580

473580

818180

3D2880

8B8E80

341B80

949B80

2A0E80

9EA880

200180

A8B580

1F0080

B1C180

BBCE80

# Harmonies

## Analogous

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



486285



645B80



795572

# Triad

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



645B80



7B5940



2B6A61

# Complementary

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



645B80



77805B

# 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.



42694E



645B80



6C5F3B

# Square

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



645B80



84544D



586540



1C6A73

# Rectangle

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



645B80



815266



586540



326A5A



# Sweetspot

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



645B80



9A97A6



5B7780



4D4B54



D4D4D4



545454



# Same Dimension

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



645B80



7A6CA6



765B80



3B3940



1F0080



000000



# Inverse Universe

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



805B77



A66C98



65805B



40393E



800060



000000



# Previews

## White Background



This preview shows how the Hex color 645B80 looks on a white background.

## Color Contrast Check

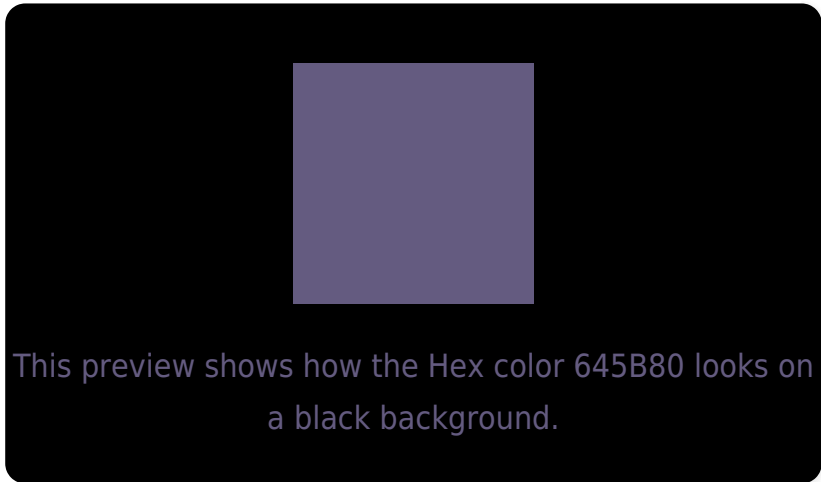
Large Text (above 18pt) WCAG AA ✓ Pass

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

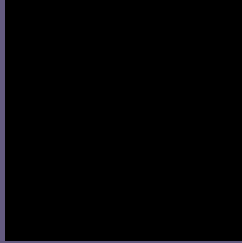
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 645B80 Background



This preview shows how black text looks on a background with the Hex color 645B80.



This preview shows how white text looks on a background with the Hex color 645B80.

# 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**  
645B80

**Protanopia**  
565F83

**Deuteranopia**  
595F7F



**Tritanopia**  
5F6067

# Trichromacy



**Original Color**  
645B80

**Protanomaly**  
5B5E82

**Deuteranomaly**  
5D5E7F

**Tritanomaly**  
615E70

# Monochromacy



**Original Color**  
645B80

**Achromatopsia**  
626262

**Achromatomaly**  
635F6D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 645B80 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 #645B80 looks like.

```
.text, #text, p{  
    color:#645B80  
}
```

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 #645B80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #645B80
}
```

## Border

The CSS property to change the border of an element to Hex 645B80 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
#645B80 }
```

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

```
.border{ border-color:#645B80 }
```

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

Here you see how a box with a 4 pixel #645B80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #645B80; -webkit-box-shadow:4px 4px  
4px 4px #645B80; box-shadow:4px 4px 4px  
4px #645B80 }
```

# Background

The CSS property to change the background color of an element to Hex 645B80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#645B80 }
```

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

```
.background{ background-color:#645B80 }
```

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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