

# Converting Colors

Hex(644580)

Have a look what the booklet for  
Hex(644580) contains.

<b>Hex(644580)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(644580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	644580
RGB	100, 69, 128
RGB Percent	39%, 27%, 50%
CMY	0.6078, 0.7294, 0.4980
CMYK	0.22, 0.46, 0.00, 0.50
HSL	272°, 30%, 39%
HSV	272°, 46%, 50%
XYZ	11.2799, 8.5241, 21.4729
YIQ	84.9950, -0.4630, 24.9210

# Conversions

## Conversions Part 2

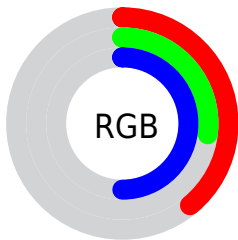
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 69, 128
Decimal	6571392
CIE <sub>Lab</sub>	35.05, 25.66, -28.39
CIE <sub>LCh</sub>	35, 38.273, 312.107
Yxy	8.5241, 0.2733, 0.2065
Android (android.graphics.Color)	4284761472 (0xFF644580)
YUV	84.9950, 21.2015, 13.1594
Hunter-Lab	29.1960, 17.8707, -23.1689

# Details

The Hex color **644580** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **618045**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **9876B5**, and **33184E** is the 20% darker color. If you saturate the color by 10%, you get **5E3880**, and if you desaturate by 10%, it is **6A5280**.

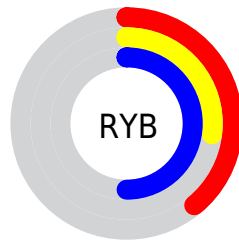
# Distribution



Red (39%)

Green (27%)

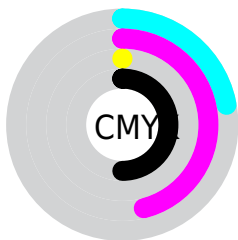
Blue (50%)



Red (39%)

Yellow (27%)

Blue (50%)

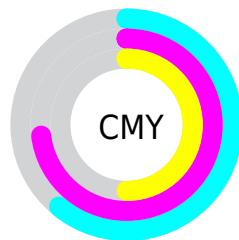


Cyan (22%)

Magenta (46%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (73%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 644580 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 644580 by changing the saturation by 10% instead.



644580

644580

FFFFFF

4B2E67

9876B5

33184E

B390D1

1C0137

CFAAED

000021

ECC6FF

000006

FFE2FF

000000

644580

644580

5E3880

6A5280

582B80

705F80

521F80

766B80

4C1280

7C7880

460580

828580

430080

889280

8F9F80

95AB80

9BB880

# Harmonies

## Analogous

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



2E528E



644580



803966

# Triad

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



644580



714A15



00615E

# Complementary

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



644580



618045

# 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.



00603F



644580



575510

# Square

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



644580



843E2B



355C22



00607B

# Rectangle

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



644580



893652



355C22



006154



# Sweetspot

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



644580



9B8FA6



456280



4D4654



D4D4D4



545454



# Same Dimension

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



644580



7A4BA6



80457F



3D3940



430080



000000



# Inverse Universe

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



804561



A64B76



458046



40393C



80003D

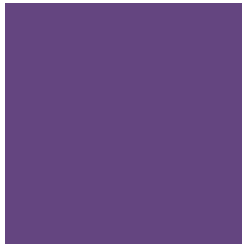


000000



# Previews

## White Background



This preview shows how the Hex color 644580 looks on a white background.

## Color Contrast Check

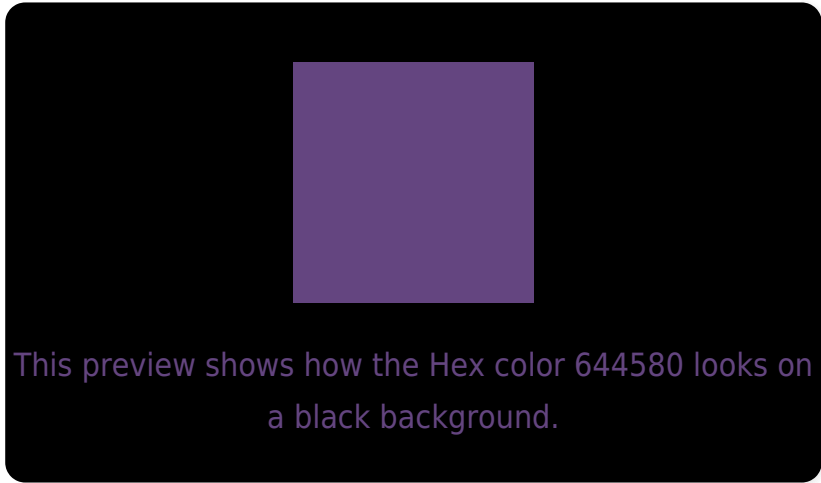
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

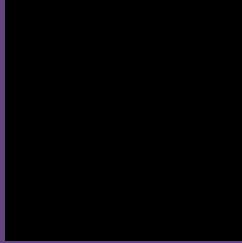
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 644580 Background



This preview shows how black text looks on a background with the Hex color 644580.



This preview shows how white text looks on a background with the Hex color 644580.

# 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





**Tritanopia**  
5D4F55

# Trichromacy



**Original Color**  
644580

**Protanomaly**  
4A4D87

**Deuteranomaly**  
4C4D7E

**Tritanomaly**  
604B65

# Monochromacy



**Original Color**  
644580

**Achromatopsia**  
555555

**Achromatomaly**  
5A4F65

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 644580 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 #644580 looks like.

```
.text, #text, p{  
    color:#644580  
}
```

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 #644580 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #644580
}
```

## Border

The CSS property to change the border of an element to Hex 644580 is called "border". The border property can be set on classes, ids or directly on the HTML element.

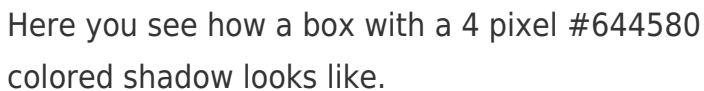
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#644580 }
```

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

```
.border{ border-color:#644580 }
```

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



Here you see how a box with a 4 pixel #644580 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #644580; -webkit-box-shadow:4px 4px  
4px 4px #644580; box-shadow:4px 4px 4px  
4px #644580 }
```

# Background

The CSS property to change the background color of an element to Hex 644580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#644580 }
```

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

```
.background{ background-color:#644580 }
```

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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