

Converting Colors

Hex(7644A6)

Have a look what the booklet for
Hex(7644A6) contains.

Hex(7644A6)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(7644A6)

Conversions

Conversions Part 1

Format	Color
Hex	7644A6
RGB	118, 68, 166
RGB Percent	46%, 27%, 65%
CMY	0.5373, 0.7333, 0.3490
CMYK	0.29, 0.59, 0.00, 0.35
HSL	271°, 42%, 46%
HSV	271°, 59%, 65%
XYZ	16.4213, 10.7390, 37.2837
YIQ	94.1220, -1.6580, 41.0780

Conversions

Conversions Part 2

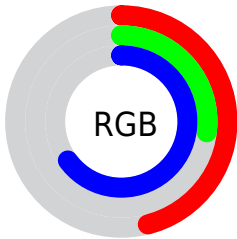
Format	Color
R _Y B	118, 68, 166
Decimal	7750822
CIE Lab	39.14, 40.82, -44.86
CIE LCh	39, 60.649, 312.301
Yxy	10.7390, 0.2548, 0.1666
Android (android.graphics.Color)	4285940902 (0xFF7644A6)
YUV	94.1220, 35.4359, 20.9410
Hunter-Lab	32.7704, 32.0984, -44.5166

Details

The Hex color **7644A6** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **74A644**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **AD76DE**, and **411371** is the 20% darker color. If you saturate the color by 10%, you get **6E33A6**, and if you desaturate by 10%, it is **7E55A6**.

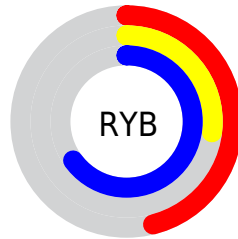
Distribution



Red (46%)

Green (27%)

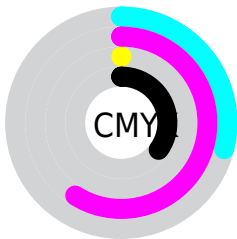
Blue (65%)



Red (46%)

Yellow (27%)

Blue (65%)

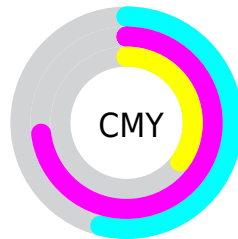


Cyan (29%)

Magenta (59%)

Yellow (0%)

Black (35%)



Cyan (54%)

Magenta (73%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Hex color 7644A6 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 7644A6 by changing the saturation by 10% instead.

7644A6

7644A6

FFFFFF

5B2C8B

AD76DE

411371

C991FB

260058

E6ACFF

100040

FFC7FF

000329

FFE4FF

000113

000000

7644A6

7644A6

6E33A6

7E55A6

6623A6

8665A6

5E12A6

8E76A6

5502A6

9786A6

5500A6

9F97A6

A7A8A6

AFB8A6

B7C9A6

BFD9A6

Harmonies

Analogous

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



005CBE



7644A6



A4267B

Triad

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



7644A6



884F00



007270

Complementary

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



7644A6



74A644

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.



00703C



7644A6



5E6000

Square

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



7644A6



A6351A



206B00



00709E

Rectangle

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



7644A6



B01A5B



206B00



00715F

Sweetspot

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



7644A6



C6B2D9



4475A6



62566E



EDEDED



6E6E6E

Same Dimension

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



7644A6



8D3FD9



A644A6



504C54



4B0094



0A0014

Inverse Universe

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



A64474



D93F8A



44A644



544C50



940048



14000A

Previews

White Background



This preview shows how the Hex color 7644A6 looks on a white background.

Color Contrast Check

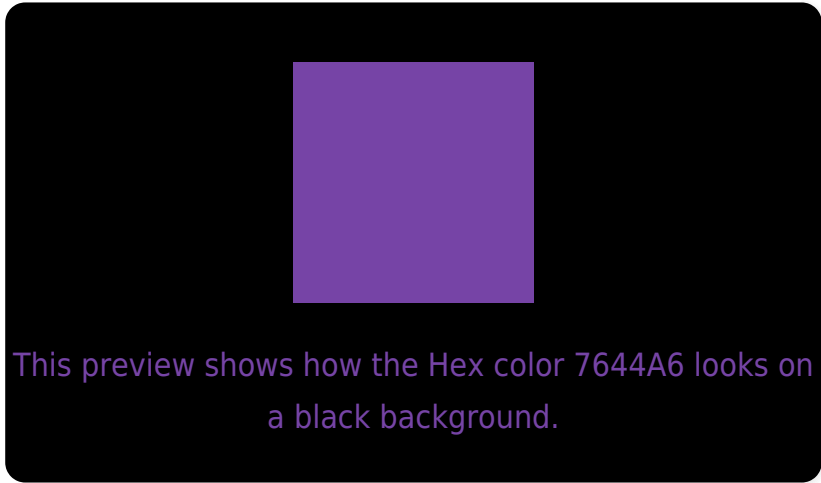
Large Text (above 18pt) WCAG AA ✓ Pass

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 7644A6 Background



This preview shows how black text looks on a background with the Hex color 7644A6.

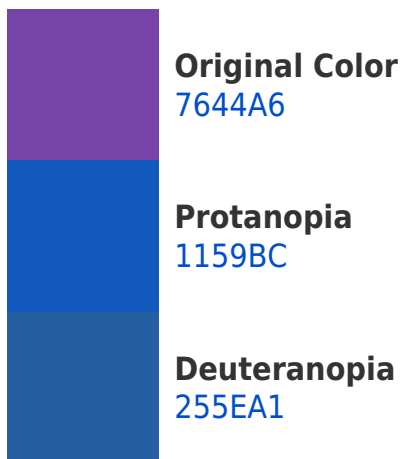


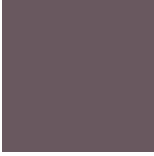
This preview shows how white text looks on a background with the Hex color 7644A6.

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
69585F

Trichromacy



Original Color
7644A6



Protanomaly
3651B4



Deuteranomaly
4255A3



Tritanomaly
6E5179

Monochromacy



Original Color
7644A6



Achromatopsia
5E5E5E



Achromatomaly
675578

CSS Examples

Text

The CSS property to change the color of the text to Hex 7644A6 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 #7644A6 looks like.

```
.text, #text, p{  
    color:#7644A6  
}
```

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 #7644A6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7644A6
}
```

Border

The CSS property to change the border of an element to Hex 7644A6 is called "border". The border property can be set on classes, ids or directly on the HTML element.

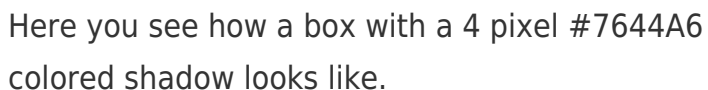
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7644A6 }
```

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

```
.border{ border-color:#7644A6 }
```

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



Here you see how a box with a 4 pixel #7644A6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7644A6; -webkit-box-shadow:4px 4px  
4px 4px #7644A6; box-shadow:4px 4px 4px  
4px #7644A6 }
```

Background

The CSS property to change the background color of an element to Hex 7644A6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7644A6 }
```

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

```
.background{ background-color:#7644A6 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor