

Converting Colors

Hex(644DAA)

Have a look what the booklet for
Hex(644DAA) contains.

Hex(644DAA)	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(644DAA)

Conversions

Conversions Part 1

Format	Color
Hex	644DAA
RGB	100, 77, 170
RGB Percent	39%, 30%, 67%
CMY	0.6078, 0.6980, 0.3333
CMYK	0.41, 0.55, 0.00, 0.33
HSL	255°, 38%, 48%
HSV	255°, 55%, 67%
XYZ	15.1651, 10.9194, 39.3386
YIQ	94.4790, -16.1450, 33.7990

Conversions

Conversions Part 2

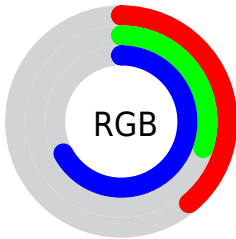
Format	Color
R_{YB}	100, 77, 170
Decimal	6573482
CIE _{Lab}	39.44, 32.21, -46.85
CIE _{LCh}	39, 56.853, 304.504
Yxy	10.9194, 0.2318, 0.1669
Android (android.graphics.Color)	4284763562 (0xFF644DAA)
YUV	94.4790, 37.2319, 4.8419
Hunter-Lab	33.0445, 24.0913, -47.4521

Details

The Hex color **644DAA** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **93AA4D**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **9B7FE2**, and **2D1F75** is the 20% darker color. If you saturate the color by 10%, you get **573CAA**, and if you desaturate by 10%, it is **715EAA**.

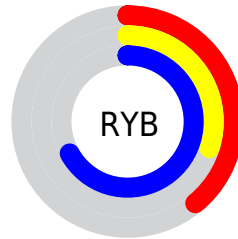
Distribution



Red (39%)

Green (30%)

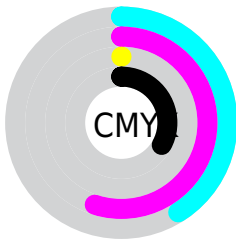
Blue (67%)



Red (39%)

Yellow (30%)

Blue (67%)

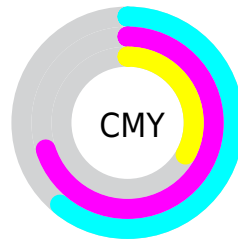


Cyan (41%)

Magenta (55%)

Yellow (0%)

Black (33%)



Cyan (61%)

Magenta (70%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Hex color 644DAA 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 644DAA by changing the saturation by 10% instead.

■ 644DAA

■ 644DAA

FFFFFF

■ 49368F

■ 9B7FE2

■ 2D1F75

■ B799FF

■ 0B0A5C

■ D3B4FF

■ 000044

■ F0CFFF

■ 00032C

■ FFECFF

■ 000117

■ 000000

■ 644DAA

■ 644DAA

■ 573CAA

■ 715EAA

■ 4A2BAA

■ 7E6FAA

■ 3E1AAA

■ 8A80AA

■ 3109AA

■ 9791AA

■ 2A00AA

■ A4A2AA

■ B1B3AA

■ BEC4AA

■ CAD5AA

■ D7E6AA

Harmonies

Analogous

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



0061BA



644DAA



993486

Triad

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



644DAA



904B00



007163

Complementary

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



644DAA



93AA4D

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.



006F32



644DAA



6B5D00

Square

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



644DAA



A8342B



3A6900



007190

Rectangle

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



644DAA



A92768



3A6900



007153

Sweetspot

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



644DAA



C3BADE



4D94AA



605B70



F0F0F0



707070

Same Dimension

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



644DAA



704BDE



914DAA



4E4C54



250094



050014

Inverse Universe

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



AA4D93



DE4BBA



66AA4D



544C52



94006F



14000F

Previews

White Background



This preview shows how the Hex color 644DAA 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

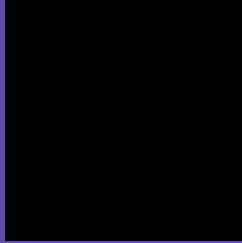
Any Text WCAG AA × Fail

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 644DAA Background



This preview shows how black text looks on a background with the Hex color 644DAA.

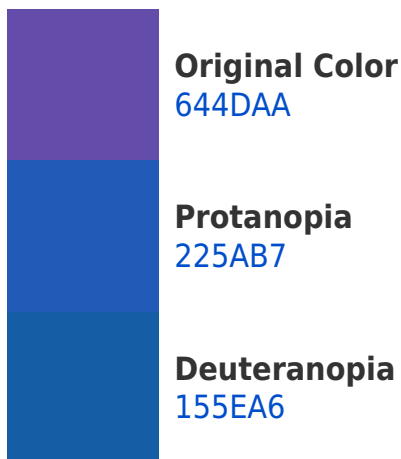



This preview shows how white text looks on a background with the Hex color 644DAA.

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](#).

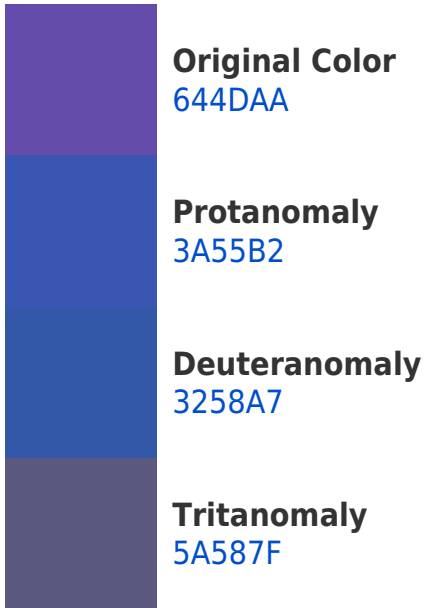
Dichromacy



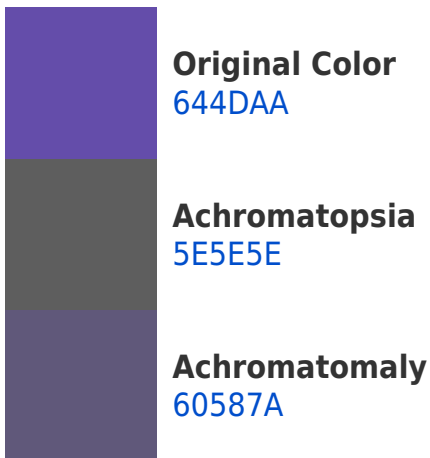


Tritanopia
545E66

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 644DAA 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 #644DAA looks like.

```
.text, #text, p{  
    color:#644DAA  
}
```

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 #644DAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #644DAA
}
```

Border

The CSS property to change the border of an element to Hex 644DAA 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
#644DAA }
```

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

```
.border{ border-color:#644DAA }
```

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

Here you see how a box with a 4 pixel #644DAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #644DAA; -webkit-box-shadow:4px 4px  
4px 4px #644DAA; box-shadow:4px 4px 4px  
4px #644DAA }
```

Background

The CSS property to change the background color of an element to Hex 644DAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#644DAA }
```

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

```
.background{ background-color:#644DAA }
```

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