

Converting Colors

Hex(644BAE)

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

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Color

Hex(644BAE)

Conversions

Conversions Part 1

Format	Color
Hex	644BAE
RGB	100, 75, 174
RGB Percent	39%, 29%, 68%
CMY	0.6078, 0.7059, 0.3176
CMYK	0.43, 0.57, 0.00, 0.32
HSL	255°, 40%, 49%
HSV	255°, 57%, 68%
XYZ	15.4116, 10.7975, 41.3162
YIQ	93.7610, -16.8790, 36.0890

Conversions

Conversions Part 2

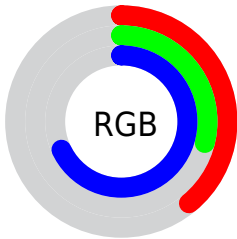
Format	Color
R_{YB}	100, 75, 174
Decimal	6572974
CIE Lab	39.24, 34.56, -49.56
CIE LCh	39, 60.417, 304.890
Yxy	10.7975, 0.2282, 0.1599
Android (android.graphics.Color)	4284763054 (0xFF644BAE)
YUV	93.7610, 39.5578, 5.4716
Hunter-Lab	32.8595, 26.2150, -51.5472

Details

The Hex color **644BAE** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **95AE4B**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **9B7DE6**, and **2C1D79** is the 20% darker color. If you saturate the color by 10%, you get **573AAE**, and if you desaturate by 10%, it is **715CAE**.

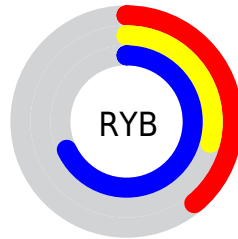
Distribution



Red (39%)

Green (29%)

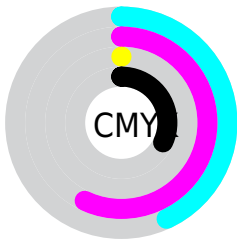
Blue (68%)



Red (39%)

Yellow (29%)

Blue (68%)

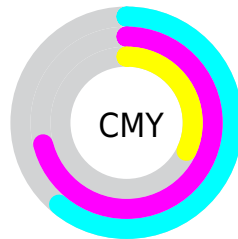


Cyan (43%)

Magenta (57%)

Yellow (0%)

Black (32%)



Cyan (61%)

Magenta (71%)

Yellow (32%)

Brightness & Saturation Gradients

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



644BAE



644BAE

FFFFFF



493493



9B7DE6



2C1D79



B797FF



07075F



D4B2FF



000047



F1CDFF



00042F



FFEAFF



00011A



000000



644BAE



644BAE



573AAE



715CAE

■ 4A28AE

■ 7E6EAE

■ 3D17AE

■ 8B7FAE

■ 3005AE

■ 9891AE

■ 2C00AE

■ A5A2AE

■ B2B3AE

■ BFC5AE

■ CCD6AE

■ D9E8AE

Harmonies

Analogous

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



0060C0



644BAE



9C2E87

Triad

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



644BAE



914A00



007263

Complementary

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



644BAE



95AE4B

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.



006F30



644BAE



6A5D00

Square

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



644BAE



AB2F27



356900



007194

Rectangle

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



644BAE



AD1E67



356900



007152

Sweetspot

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



644BAE



C6BCE3



4B95AE



625C73



F2F2F2



737373

Same Dimension

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



644BAE



7049E3



954BAE



504E57



260096



060017

Inverse Universe

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



AE4B95



E349BC



64AE4B



574E55



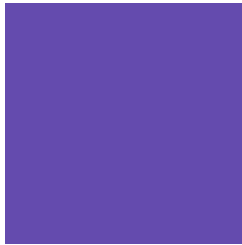
960070



170011

Previews

White Background



This preview shows how the Hex color 644BAE looks on a white background.

Color Contrast Check

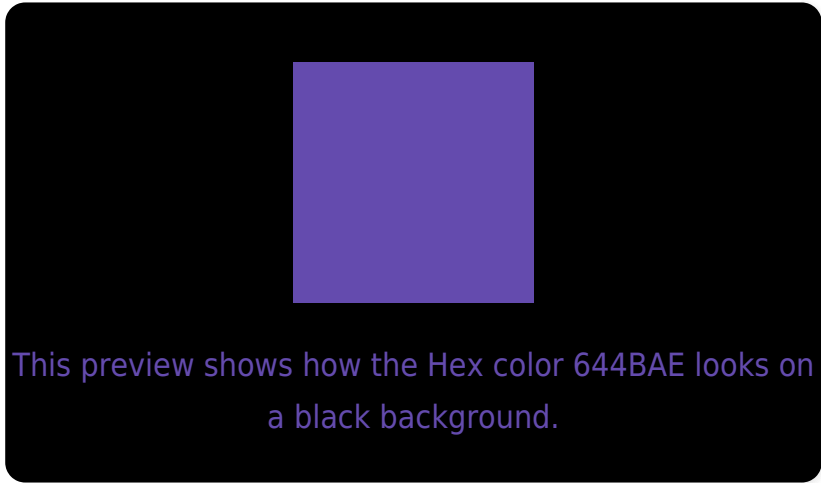
Large Text (above 18pt) WCAG AA ✓ Pass

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 644BAE Background



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

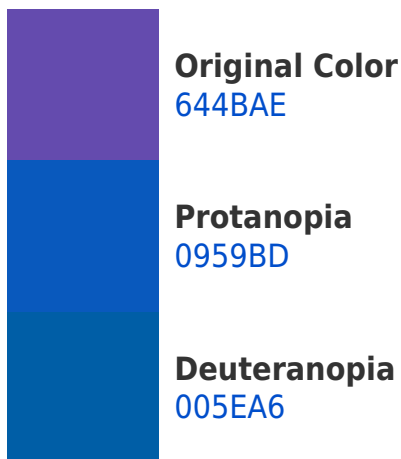


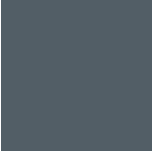
This preview shows how white text looks on a background with the Hex color 644BAE.

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](#).

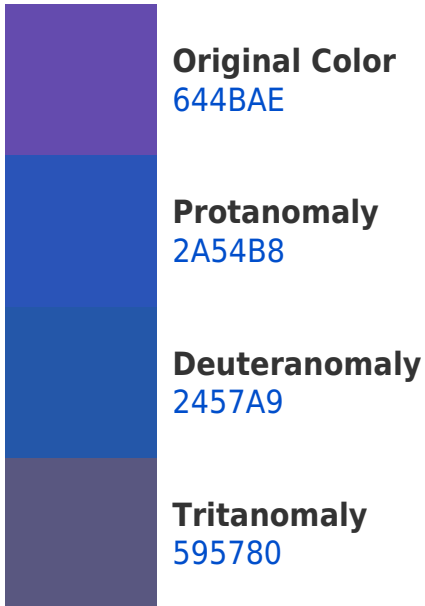
Dichromacy



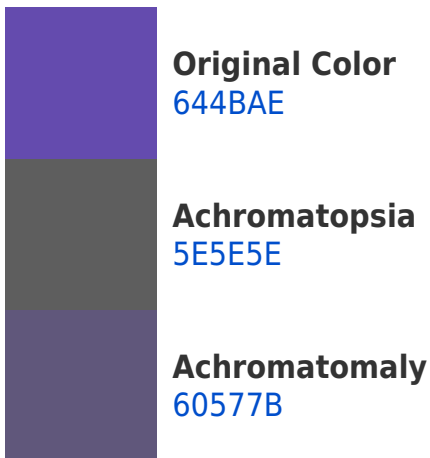


Tritanopia
525E66

Trichromacy



Monochromacy



CSS Examples

Text

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

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

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 #644BAE colored shadow looks like.

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

Border

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

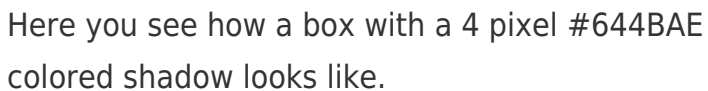
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#644BAE }
```

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

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

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



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

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

Background

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

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

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

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

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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