

Converting Colors

Hex(644C90)

Have a look what the booklet for
Hex(644C90) contains.

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Color

Hex(644C90)

Conversions

Conversions Part 1

Format	Color
Hex	644C90
RGB	100, 76, 144
RGB Percent	39%, 30%, 56%
CMY	0.6078, 0.7020, 0.4353
CMYK	0.31, 0.47, 0.00, 0.44
HSL	261°, 31%, 43%
HSV	261°, 47%, 56%
XYZ	12.8740, 9.8918, 27.6163
YIQ	90.9280, -7.5240, 26.2360

Conversions

Conversions Part 2

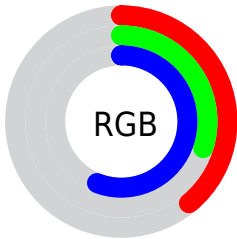
Format	Color
R_{YB}	100, 76, 144
Decimal	6573200
CIE _{Lab}	37.65, 25.54, -34.10
CIE _{LCh}	38, 42.607, 306.830
Yxy	9.8918, 0.2555, 0.1963
Android (android.graphics.Color)	4284763280 (0xFF644C90)
YUV	90.9280, 26.1645, 7.9561
Hunter-Lab	31.4513, 18.0260, -30.0447

Details

The Hex color **644C90** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **78904C**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **997DC6**, and **321F5D** is the 20% darker color. If you saturate the color by 10%, you get **5B3E90**, and if you desaturate by 10%, it is **6D5A90**.

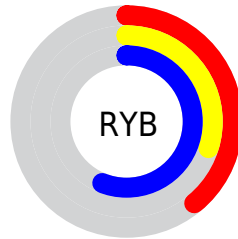
Distribution



Red (39%)

Green (30%)

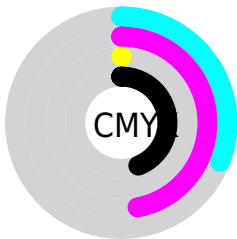
Blue (56%)



Red (39%)

Yellow (30%)

Blue (56%)

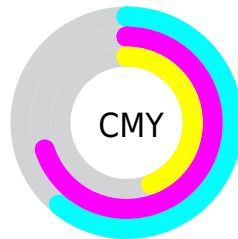


Cyan (31%)

Magenta (47%)

Yellow (0%)

Black (44%)



Cyan (61%)

Magenta (70%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Hex color 644C90 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 644C90 by changing the saturation by 10% instead.

644C90

644C90

FFFFFF

4B3576

997DC6

321F5D

B497E2

190A45

D0B2FF

00002E

EDCEFF

000119

FFEAFF

000000

644C90

644C90

5B3E90

6D5A90

512F90

776990

■ 482190

■ 807790

■ 3F1290

■ 898690

■ 350490

■ 939490

■ 330090

■ 9CA290

■ A5B190

■ AFBF90

■ B8CE90

Harmonies

Analogous

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



145A9D



644C90



883D74

Triad

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



644C90



7F4D16



006960

Complementary

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



644C90



78904C

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.



00673C



644C90



63590A

Square

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



644C90



923F31



3E621D



006881

Rectangle

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



644C90



94385E



3E621D



006954

Sweetspot

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



644C90



A9A0BA



4C7890



544E5E



DEDEDE



5E5E5E

Same Dimension

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



644C90



7550BA



864C90



434047



300087



030008

Inverse Universe

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



904C78



BA5095



56904C



474045



870057



080005

Previews

White Background



This preview shows how the Hex color 644C90 looks on a white background.

Color Contrast Check

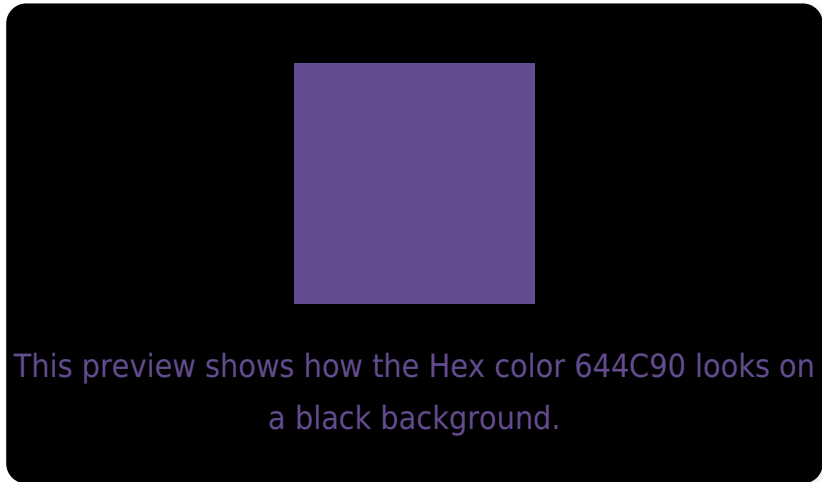
Large Text (above 18pt) WCAG AA ✓ Pass

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

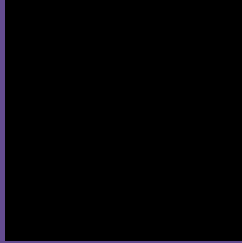
Any Text WCAG AA × Fail

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 644C90 Background



This preview shows how black text looks on a background with the Hex color 644C90.



This preview shows how white text looks on a background with the Hex color 644C90.

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
644C90

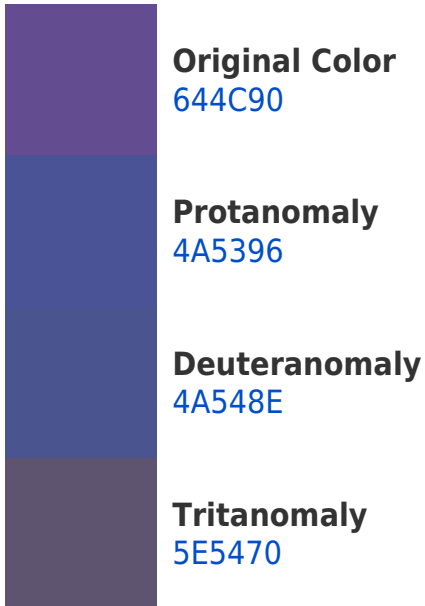
Protanopia
3B579A

Deuteranopia
3B598D

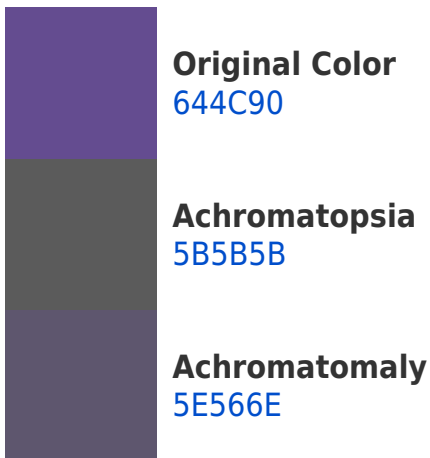


Tritanopia
5A585E

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 644C90 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 #644C90 looks like.

```
.text, #text, p{  
    color:#644C90  
}
```

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 #644C90 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #644C90
}
```

Border

The CSS property to change the border of an element to Hex 644C90 is called "border". The border property can be set on classes, ids or directly on the HTML element.

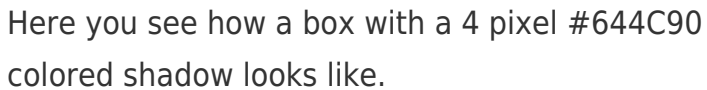
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#644C90 }
```

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

```
.border{ border-color:#644C90 }
```

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



Here you see how a box with a 4 pixel #644C90 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #644C90; -webkit-box-shadow:4px 4px  
4px 4px #644C90; box-shadow:4px 4px 4px  
4px #644C90 }
```

Background

The CSS property to change the background color of an element to Hex 644C90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#644C90 }
```

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

```
.background{ background-color:#644C90 }
```

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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