

# Converting Colors

Hex(627BBB)

Have a look what the booklet for  
Hex(627BBB) contains.

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# Color

**Hex(627BBB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	627BBB
RGB	98, 123, 187
RGB Percent	38%, 48%, 73%
CMY	0.6157, 0.5176, 0.2667
CMYK	0.48, 0.34, 0.00, 0.27
HSL	223°, 40%, 56%
HSV	223°, 48%, 73%
XYZ	21.0896, 20.3504, 49.8302
YIQ	122.8210, -35.4440, 14.6040

# Conversions

## Conversions Part 2

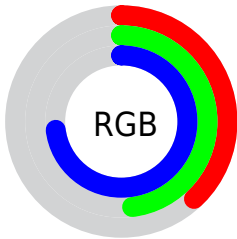
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	98, 118, 187
Decimal	6454203
CIE Lab	52.23, 8.60, -36.49
CIE LCh	52, 37.486, 283.264
Yxy	20.3504, 0.2311, 0.2230
Android (android.graphics.Color)	4284644283 (0xFF627BBB)
YUV	122.8210, 31.6402, -21.7680
Hunter-Lab	45.1115, 4.5037, -33.9138

# Details

The Hex color **627BBB** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **BBA262**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **99AFF3**, and **2A4B85** is the 20% darker color. If you saturate the color by 10%, you get **4F6EBB**, and if you desaturate by 10%, it is **7588BB**.

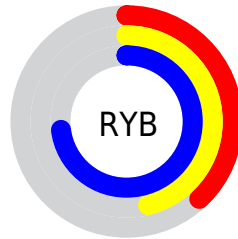
# Distribution



Red (38%)

Green (48%)

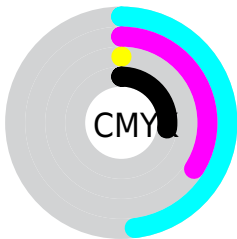
Blue (73%)



Red (38%)

Yellow (46%)

Blue (73%)

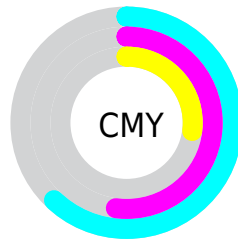


Cyan (48%)

Magenta (34%)

Yellow (0%)

Black (27%)



Cyan (62%)

Magenta (52%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 627BBB 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 627BBB by changing the saturation by 10% instead.



■ 627BBB

■ 627BBB

FFFFFF

■ 4762A0

■ 99AFF3

■ 2A4B85

■ B5CBFF

■ 02346C

■ D1E7FF

■ 002053

■ EFFFFFF

■ 00073C

■ 000225

■ 00010E

■ 000000

■ 627BBB

■ 627BBB

■ 4F6EBB

■ 7588BB

■ 3D60BB

■ 8796BB

■ 2A53BB

■ 9AA3BB

■ 1745BB

■ ADB1BB

■ 0438BB

■ C0BEBB

■ 0035BB

■ D2CCBB

■ E5D9BB

■ F8E7BB

■ FFF4BB

# Harmonies

## Analogous

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



0685BA



627BBB



926FAC

# Triad

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



627BBB



B36952



2F8C69

# Complementary

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



627BBB



BBA262

# 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.



5F874C



627BBB



9F743F

# Square

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



627BBB



BA626F



827F3C



008D8A

# Rectangle

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



627BBB



A7679A



827F3C



428B5F



# Sweetspot

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



627BBB



D0DAF2



62BBA2



666B7A



FAFAFA



7A7A7A



# Same Dimension

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



627BBB



688FF2



7562BB



55585E



002C9E



00091F



# Inverse Universe

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



BB627B



F2688F



A8BB62



5E5558



9E002C

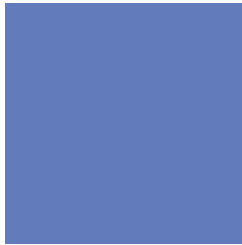


1F0009



# Previews

## White Background



This preview shows how the Hex color 627BBB looks on a white background.

## Color Contrast Check

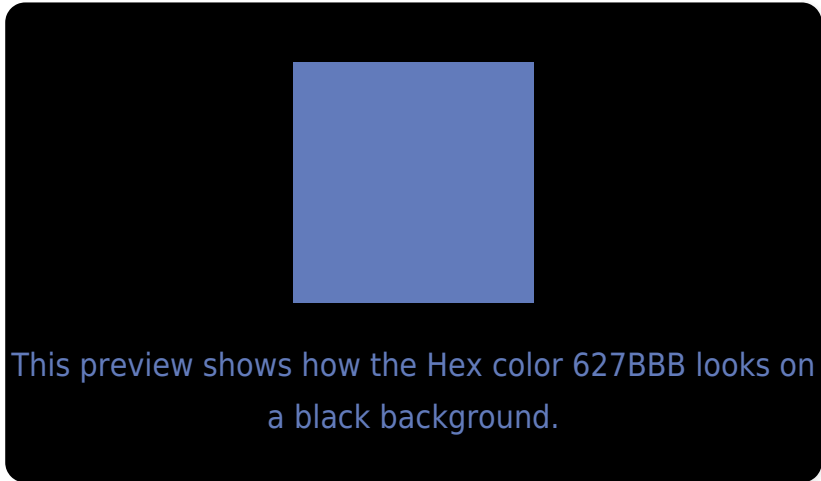
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

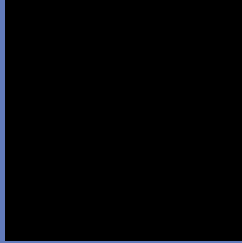
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

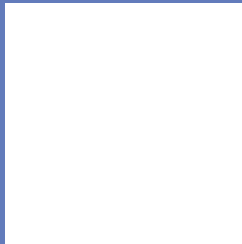
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 627BBB Background



This preview shows how black text looks on a background with the Hex color 627BBB.

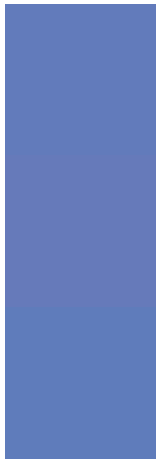


This preview shows how white text looks on a background with the Hex color 627BBB.

# 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**  
627BBB

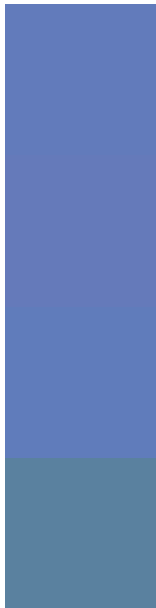
**Protanopia**  
667ABA

**Deuteranopia**  
5F7CBB



**Tritanopia**  
55848F

# Trichromacy



**Original Color**  
627BBB

**Protanomaly**  
657ABA

**Deuteranomaly**  
607CBB

**Tritanomaly**  
5A819F

# Monochromacy



**Original Color**  
627BBB

**Achromatopsia**  
7B7B7B

**Achromatomaly**  
727B92

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 627BBB 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 #627BBB looks like.

```
.text, #text, p{  
    color:#627BBB  
}
```

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 #627BBB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #627BBB
}
```

## Border

The CSS property to change the border of an element to Hex 627BBB 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
#627BBB }
```

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

```
.border{ border-color:#627BBB }
```

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

Here you see how a box with a 4 pixel #627BBB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #627BBB; -webkit-box-shadow:4px 4px  
4px 4px #627BBB; box-shadow:4px 4px 4px  
4px #627BBB }
```

# Background

The CSS property to change the background color of an element to Hex 627BBB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#627BBB }
```

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

```
.background{ background-color:#627BBB }
```

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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