

Converting Colors

Hex(781BED)

Have a look what the booklet for
Hex(781BED) contains.

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Color

Hex(781BED)

Conversions

Conversions Part 1

Format	Color
Hex	781BED
RGB	120, 27, 237
RGB Percent	47%, 11%, 93%
CMY	0.5294, 0.8941, 0.0706
CMYK	0.49, 0.89, 0.00, 0.07
HSL	267°, 85%, 52%
HSV	267°, 89%, 93%
XYZ	23.4237, 10.8914, 80.9884
YIQ	78.7470, -11.9820, 85.0260

Conversions

Conversions Part 2

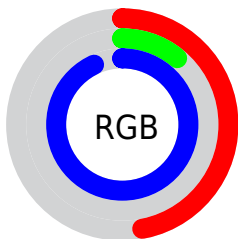
Format	Color
R _{YB}	120, 27, 237
Decimal	7871469
CIE _{Lab}	39.40, 74.70, -85.70
CIE _{LCh}	39, 113.685, 311.077
Y _{xy}	10.8914, 0.2031, 0.0945
Android (android.graphics.Color)	4286061549 (0xFF781BED)
YUV	78.7470, 78.0187, 36.1789
Hunter-Lab	33.0021, 68.9395, -122.3987

Details

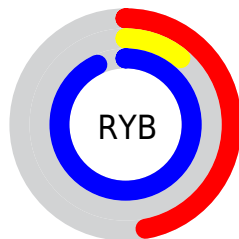
The Hex color **781BED** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **90ED1B**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **B65AFF**, and **3100B4** is the 20% darker color. If you saturate the color by 10%, you get **6B03ED**, and if you desaturate by 10%, it is **8533ED**.

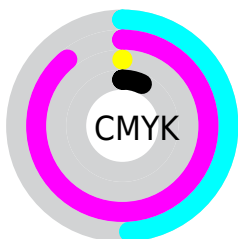
Distribution



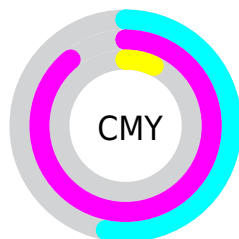
- Red (47%)
- Green (11%)
- Blue (93%)



- Red (47%)
- Yellow (11%)
- Blue (93%)



- Cyan (49%)
- Magenta (89%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (89%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Hex color 781BED 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 781BED by changing the saturation by 10% instead.

 781BED

 781BED

FFFFFF

 5700D0

 B65AFF

 3100B4

 D576FF

 000098

 F592FF

 00007D

 FFAEFF

 000063

 FFCBFF

 00094A

 FFE8FF

 000432

 00021C

 000000

 781BED

 781BED

 6B03ED

 8533ED

 6900ED

 924AED

 A062ED

 AD7AED

 BA91ED

 C7A9ED

 D4C1ED

 E2D9ED

 EFF0ED

Harmonies

Analogous

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



0063FF



781BED



DA009B

Triad

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



781BED



9F3F00



007B7F

Complementary

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



781BED



90ED1B

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.



007815



781BED



526500

Square

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



781BED



D60000



007300



007DD8

Rectangle

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



781BED



EE005F



007300



007A5E

Sweetspot

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



781BED



D9BAFF



1B92ED



695780



000000



808080

Same Dimension

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



781BED



7100FF



DF1BED



6F6A75



5000B5



180036

Inverse Universe

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



ED1B90



FF008E



29ED1B



756A70



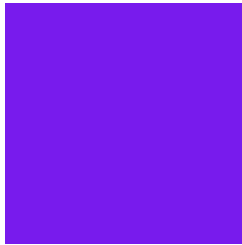
B50065



36001E

Previews

White Background



This preview shows how the Hex color 781BED looks on a white background.

Color Contrast Check

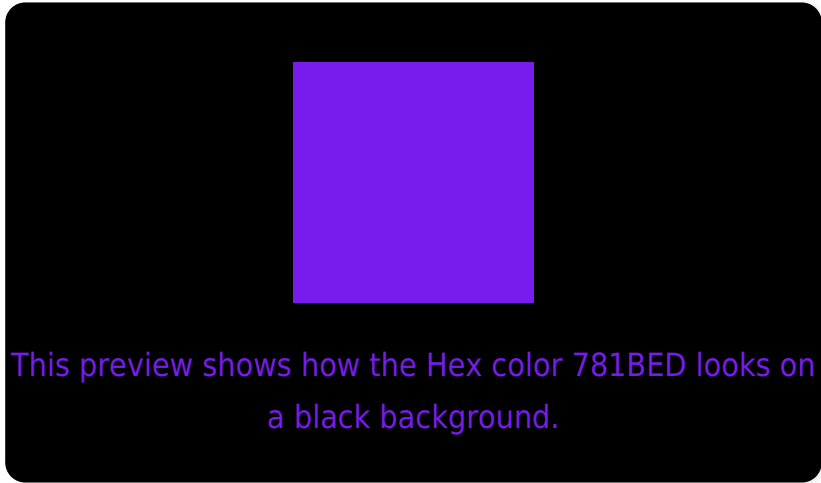
Large Text (above 18pt) WCAG AA ✓ Pass

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

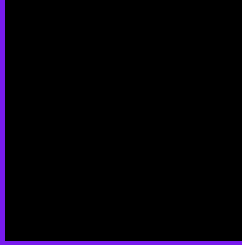
Any Text WCAG AA × Fail

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 781BED Background



This preview shows how black text looks on a background with the Hex color 781BED.

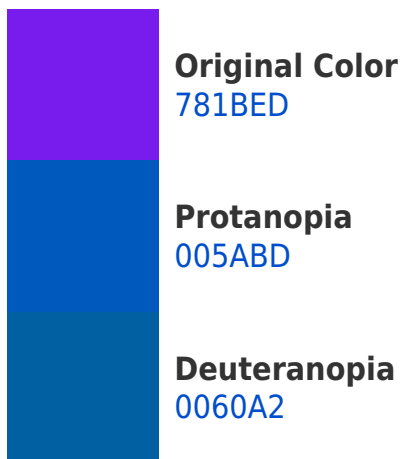


This preview shows how white text looks on a background with the Hex color 781BED.

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
535F66

Trichromacy



Original Color
781BED



Protanomaly
2C43CE



Deuteranomaly
2C47BD



Tritanomaly
604697

Monochromacy



Original Color
781BED



Achromatopsia
4F4F4F



Achromatomaly
5E3C88

CSS Examples

Text

The CSS property to change the color of the text to Hex 781BED 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 #781BED looks like.

```
.text, #text, p{  
    color:#781BED  
}
```

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 #781BED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #781BED
}
```

Border

The CSS property to change the border of an element to Hex 781BED 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".

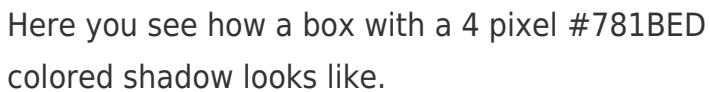
```
.border, #border, table{ border:4px solid
#781BED }
```

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

```
.border{ border-color:#781BED }
```

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

Here you see how a box with a 4 pixel #781BED colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #781BED; -webkit-box-shadow:4px 4px  
4px 4px #781BED; box-shadow:4px 4px 4px  
4px #781BED }
```

Background

The CSS property to change the background color of an element to Hex 781BED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#781BED }
```

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

```
.background{ background-color:#781BED }
```

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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