

# Converting Colors

Hex(7963EA)

Have a look what the booklet for  
Hex(7963EA) contains.

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# Color

**Hex(7963EA)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 7963EA                      |
| RGB         | 121, 99, 234                |
| RGB Percent | 47%, 39%, 92%               |
| CMY         | 0.5255, 0.6118, 0.0824      |
| CMYK        | 0.48, 0.58, 0.00, 0.08      |
| HSL         | 250°, 76%, 65%              |
| HSV         | 250°, 58%, 92%              |
| XYZ         | 27.1983, 18.9291, 80.0621   |
| YIQ         | 120.9680, -30.2230, 46.6490 |

# Conversions

## Conversions Part 2

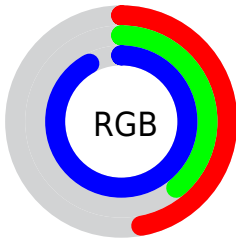
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 121, 99, 234                  |
| Decimal                             | 7955434                       |
| CIE <sub>Lab</sub>                  | 50.60, 42.40, -65.68          |
| CIE <sub>LCh</sub>                  | 51, 78.179, 302.843           |
| Yxy                                 | 18.9291, 0.2155,<br>0.1500    |
| Android<br>(android.graphics.Color) | 4286145514<br>(0xFF7963EA)    |
| YUV                                 | 120.9680, 55.7248,<br>0.0281  |
| Hunter-Lab                          | 43.5076, 35.4488,<br>-78.6492 |

# Details

The Hex color **7963EA** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **D4EA63**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **B497FF**, and **3B33B1** is the 20% darker color. If you saturate the color by 10%, you get **654CEA**, and if you desaturate by 10%, it is **8D7AEA**.

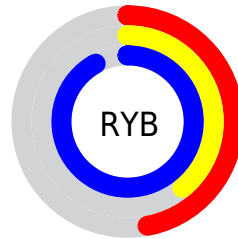
# Distribution



Red (47%)

Green (39%)

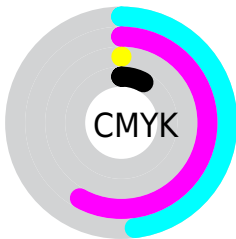
Blue (92%)



Red (47%)

Yellow (39%)

Blue (92%)

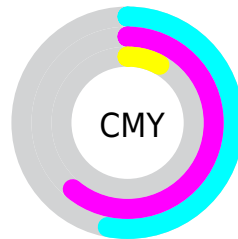


Cyan (48%)

Magenta (58%)

Yellow (0%)

Black (8%)



Cyan (53%)

Magenta (61%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7963EA 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 7963EA by changing the saturation by 10% instead.



 7963EA

 7963EA

FFFFFF

 5B4BCD

 B497FF

 3B33B1

 D2B2FF

 0E1C96

 F0CDFF

 00067B

 FFEAFF

 000062

 000749

 000431

 00011B

 000000

7963EA

7963EA

654CEA

8D7AEA

5234EA

A092EA

3E1DEA

B4A9EA

2B05EA

C7C1EA

2600EA

DBD8EA

EFEFEA

FFFFEA

# Harmonies

## Analogous

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



0080FF



7963EA



CB38B7

# Triad

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



7963EA



C15C00



00947D

# Complementary

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



7963EA



D4EA63

# 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.



009136



7963EA



8D7800

# Square

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



7963EA



E33434



468800



0094C0

# Rectangle

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



7963EA



E4178B



468800



009366



# Sweetspot

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



7963EA



DBD4FF



63D6EA



6A6680



000000



808080



# Same Dimension

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



7963EA



6C4FFF



BB63EA



6B6A75



1E00B5



090036



# Inverse Universe

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



EA63D4



FF4FE2



92EA63



756A73



B50098

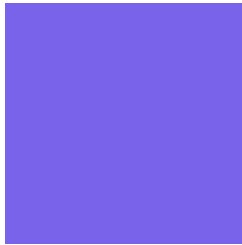


36002D



# Previews

## White Background



This preview shows how the Hex color 7963EA looks on a white background.

## Color Contrast Check

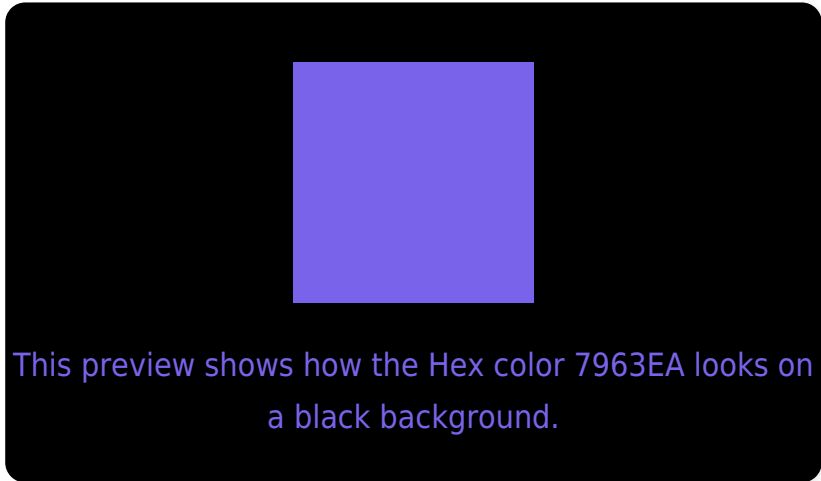
Large Text (above 18pt) WCAG AA ✓ Pass

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

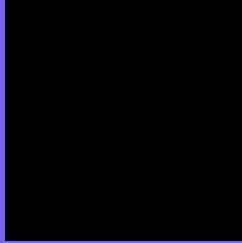
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7963EA Background



This preview shows how black text looks on a background with the Hex color 7963EA.



This preview shows how white text looks on a background with the Hex color 7963EA.

# 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**  
5D7D88

# Trichromacy



**Original Color**  
7963EA



**Protanomaly**  
2C6EF2



**Deuteranomaly**  
2C72DE



**Tritanomaly**  
6774AC

# Monochromacy



**Original Color**  
7963EA



**Achromatopsia**  
797979



**Achromatomaly**  
7971A2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7963EA 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 #7963EA looks like.

```
.text, #text, p{  
    color:#7963EA  
}
```

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 #7963EA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7963EA
}
```

## Border

The CSS property to change the border of an element to Hex 7963EA 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
#7963EA }
```

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

```
.border{ border-color:#7963EA }
```

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

Here you see how a box with a 4 pixel #7963EA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7963EA; -webkit-box-shadow:4px 4px  
4px 4px #7963EA; box-shadow:4px 4px 4px  
4px #7963EA }
```

# Background

The CSS property to change the background color of an element to Hex 7963EA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7963EA }
```

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

```
.background{ background-color:#7963EA }
```

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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