

# Converting Colors

Hex(7451DE)

Have a look what the booklet for  
Hex(7451DE) contains.

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# Color

**Hex(7451DE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7451DE
RGB	116, 81, 222
RGB Percent	45%, 32%, 87%
CMY	0.5451, 0.6824, 0.1294
CMYK	0.48, 0.64, 0.00, 0.13
HSL	255°, 68%, 59%
HSV	255°, 64%, 87%
XYZ	23.3297, 14.8718, 70.7482
YIQ	107.5390, -24.4010, 51.2710

# Conversions

## Conversions Part 2

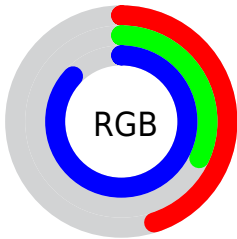
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 81, 222
Decimal	7623134
CIE <sub>Lab</sub>	45.46, 48.15, -67.26
CIE <sub>LCh</sub>	45, 82.724, 305.598
Yxy	14.8718, 0.2141, 0.1365
Android (android.graphics.Color)	4285813214 (0xFF7451DE)
YUV	107.5390, 56.4293, 7.4203
Hunter-Lab	38.5640, 40.4987, -81.7767

# Details

The Hex color **7451DE** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **BBDE51**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **AF84FF**, and **3620A6** is the 20% darker color. If you saturate the color by 10%, you get **633BDE**, and if you desaturate by 10%, it is **8567DE**.

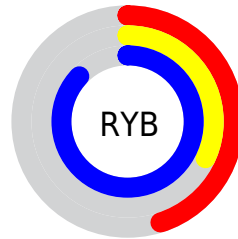
# Distribution



Red (45%)

Green (32%)

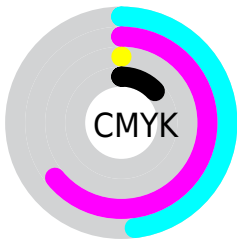
Blue (87%)



Red (45%)

Yellow (32%)

Blue (87%)

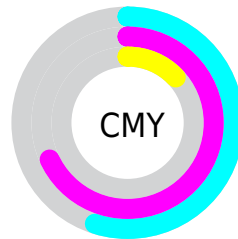


Cyan (48%)

Magenta (64%)

Yellow (0%)

Black (13%)



Cyan (55%)

Magenta (68%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7451DE 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 7451DE by changing the saturation by 10% instead.



7451DE

7451DE

FFFFFF

5639C2

AF84FF

3620A6

CD9FFF

02068B

EABAFF

000070

FFD6FF

000057

FFF3FF

00063E

000328

000111

000000

 7451DE

 7451DE

 633BDE

 8567DE

 5325DE

 957DDE

 420EDE

 A694DE

 3700DE

 B7AADE

 C7C0DE

 D8D6DE

 E9ECDE

 FAFFDE

 FFFFDE

# Harmonies

## Analogous

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



0072F8



7451DE



C40EA6

# Triad

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



7451DE



AF5100



008777

# Complementary

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



7451DE



BBDE51

# 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.



00842D



7451DE



786D00

# Square

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



7451DE



D41A1E



257D00



0087BB

# Rectangle

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



7451DE



DB0079



257D00



00865F



# Sweetspot

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



7451DE



DBCFFF



51BDDE



696280



000000



808080



# Same Dimension

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



7451DE



6D3DFF



B851DE



686570



2C00B0



0C0030



# Inverse Universe

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



DE51BB



FF3DCF



77DE51



70656D



B00084

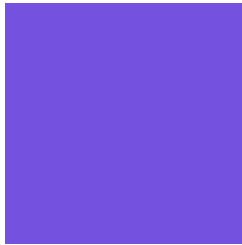


300024



# Previews

## White Background



This preview shows how the Hex color 7451DE 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

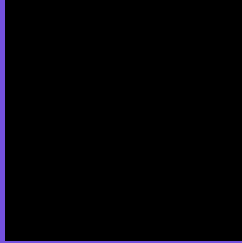
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7451DE Background



This preview shows how black text looks on a background with the Hex color 7451DE.

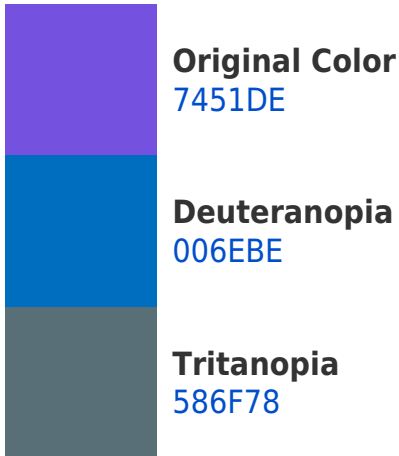


This preview shows how white text looks on a background with the Hex color 7451DE.

# 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



# Trichromacy



**Original Color**  
7451DE

**Deuteranomaly**  
2A63CA

**Tritanomaly**  
62649D

# Monochromacy



**Original Color**  
7451DE

**Achromatopsia**  
6C6C6C

**Achromatomaly**  
6F6295

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7451DE 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 #7451DE looks like.

```
.text, #text, p{  
    color:#7451DE  
}
```

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 #7451DE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7451DE
}
```

## Border

The CSS property to change the border of an element to Hex 7451DE is called "border". The border property can be set on classes, ids or directly on the HTML element.

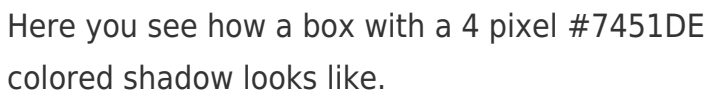
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7451DE }
```

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

```
.border{ border-color:#7451DE }
```

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



Here you see how a box with a 4 pixel #7451DE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7451DE; -webkit-box-shadow:4px 4px  
4px 4px #7451DE; box-shadow:4px 4px 4px  
4px #7451DE }
```

# Background

The CSS property to change the background color of an element to Hex 7451DE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7451DE }
```

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

```
.background{ background-color:#7451DE }
```

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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