

# Converting Colors

Hex(4600E8)

Have a look what the booklet for  
Hex(4600E8) contains.

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# Color

**Hex(4600E8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4600E8
RGB	70, 0, 232
RGB Percent	27%, 0%, 91%
CMY	0.7255, 1.0000, 0.0902
CMYK	0.70, 1.00, 0.00, 0.09
HSL	258°, 100%, 45%
HSV	258°, 100%, 91%
XYZ	17.0913, 7.1283, 76.8190
YIQ	47.3780, -32.7520, 86.9920

# Conversions

## Conversions Part 2

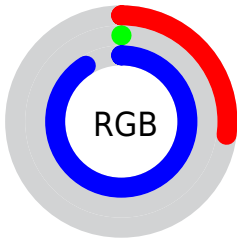
Format	Color
R <sub>Y</sub> B	70, 0, 232
Decimal	4587752
CIE Lab	32.10, 74.90, -95.12
CIE LCh	32, 121.070, 308.218
Yxy	7.1283, 0.1692, 0.0706
Android (android.graphics.Color)	4282777832 (0xFF4600E8)
YUV	47.3780, 91.0186, 19.8395
Hunter-Lab	26.6989, 67.5438, -151.9024

# Details

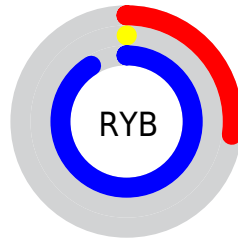
The Hex color **4600E8** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **A2E800**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **8E48FF**, and **0000AE** is the 20% darker color. If you saturate the color by 10%, you get **4600E8**, and if you desaturate by 10%, it is **5617E8**.

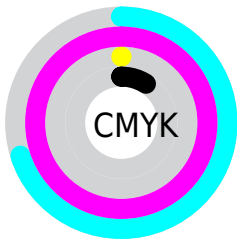
# Distribution



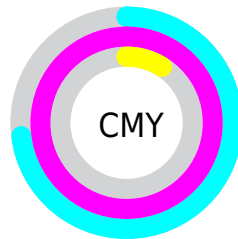
- Red (27%)
- Green (0%)
- Blue (91%)



- Red (27%)
- Yellow (0%)
- Blue (91%)



- Cyan (70%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (73%)
- Magenta (100%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4600E8 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 4600E8 by changing the saturation by 10% instead.



4600E8

4600E8

FFFFFF

0100CB

8E48FF

0000AE

AE64FF

000093

CE80FF

000078

EE9CFF

000E5E

FFB8FF

000845

FFD5FF

00042E

FFF2FF

000118

000000

 4600E8

 5617E8

 662EE8

 7746E8

 875DE8

 9774E8

 A78BE8

 B7A2E8

 C8BAE8

 D8D1E8

# Harmonies

## Analogous

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



0058FF



4600E8



C40095

# Triad

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



4600E8



922100



006765

# Complementary

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



4600E8



A2E800

# 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.



006400



4600E8



455100

# Square

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



4600E8



C70000



006000



006AC4

# Rectangle

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



4600E8



DC0056



006000



006644



# Sweetspot

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



4600E8



CAB3FF



00A2E8



5F5280



000000



808080



# Same Dimension

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



4600E8



4D00FF



BA00E8



6B6773



3600B3



0F0033



# Inverse Universe

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



E800A2



FF00B2



2EE800



73676F



B3007D

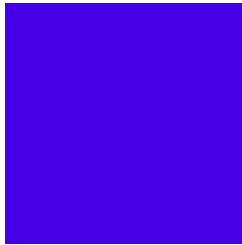


330024



# Previews

## White Background



This preview shows how the Hex color 4600E8 looks on a white background.

## Color Contrast Check

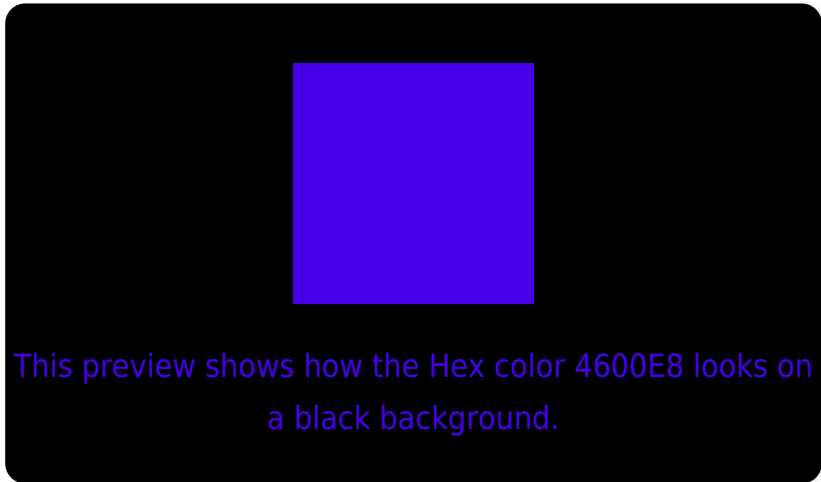
Large Text (above 18pt) WCAG AA ✓ Pass

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

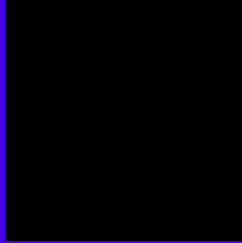
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4600E8 Background



This preview shows how black text looks on a background with the Hex color 4600E8.



This preview shows how white text looks on a background with the Hex color 4600E8.

# 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**  
4600E8

**Protanopia**  
004A9C

**Deuteranopia**  
004F84



**Tritanopia**  
00555A

# Trichromacy



**Original Color**  
4600E8

**Protanomaly**  
192FB8

**Deuteranomaly**  
1932A8

**Tritanomaly**  
19368E

# Monochromacy



**Original Color**  
4600E8

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
371E72

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4600E8 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 #4600E8 looks like.

```
.text, #text, p{  
    color:#4600E8  
}
```

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 #4600E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4600E8
}
```

## Border

The CSS property to change the border of an element to Hex 4600E8 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
#4600E8 }
```

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

```
.border{ border-color:#4600E8 }
```

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

Here you see how a box with a 4 pixel #4600E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4600E8; -webkit-box-shadow:4px 4px  
4px 4px #4600E8; box-shadow:4px 4px 4px  
4px #4600E8 }
```

# Background

The CSS property to change the background color of an element to Hex 4600E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4600E8 }
```

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

```
.background{ background-color:#4600E8 }
```

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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