

# Converting Colors

Hex(4A5DE6)

Have a look what the booklet for  
Hex(4A5DE6) contains.

<b>Hex(4A5DE6)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(4A5DE6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4A5DE6
RGB	74, 93, 230
RGB Percent	29%, 36%, 90%
CMY	0.7098, 0.6353, 0.0980
CMYK	0.68, 0.60, 0.00, 0.10
HSL	233°, 76%, 60%
HSV	233°, 68%, 90%
XYZ	21.0213, 14.9977, 76.6498
YIQ	102.9370, -55.3010, 38.5790

# Conversions

## Conversions Part 2

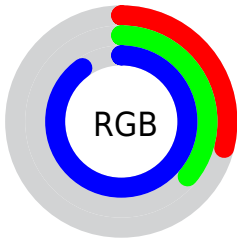
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 91, 230
Decimal	4873702
CIE <sub>Lab</sub>	45.63, 36.72, -71.65
CIE <sub>LCh</sub>	46, 80.517, 297.135
Yxy	14.9977, 0.1866, 0.1331
Android (android.graphics.Color)	4283063782 (0xFF4A5DE6)
YUV	102.9370, 62.6421, -25.3777
Hunter-Lab	38.7269, 29.1194, -90.2403

# Details

The Hex color **4A5DE6** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **E6D34A**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **8B8FFF**, and **002FAD** is the 20% darker color. If you saturate the color by 10%, you get **3349E6**, and if you desaturate by 10%, it is **6171E6**.

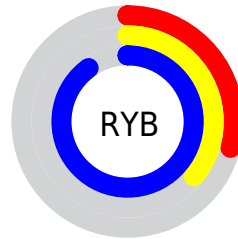
# Distribution



Red (29%)

Green (36%)

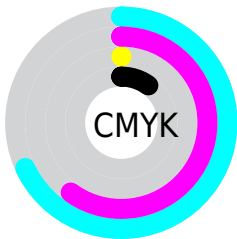
Blue (90%)



Red (29%)

Yellow (36%)

Blue (90%)

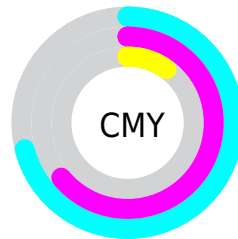


Cyan (68%)

Magenta (60%)

Yellow (0%)

Black (10%)



Cyan (71%)

Magenta (64%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4A5DE6 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 4A5DE6 by changing the saturation by 10% instead.



 4A5DE6

 4A5DE6

FFFFFF

 1D46C9


 8B8FFF

 002FAD

 AAAAFF

 001B92

 C9C5FF

 000977

 E7E1FF

 00005E

FFFEFF

 000845

 00032E

 000118

 000000

■ 4A5DE6

■ 4A5DE6

■ 3349E6

■ 6171E6

■ 1C35E6

■ 7885E6

■ 0520E6

■ 8F9AE6

■ 001CE6

■ A6AEE6

■ BDC2E6

■ D4D6E6

■ EBFAE6

■ FFFFE6

# Harmonies

## Analogous

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



0077F5



4A5DE6



B32EB6

# Triad

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



4A5DE6



BB4700



008763

# Complementary

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



4A5DE6



E6D34A

# 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.



008316



4A5DE6



8A6700

# Square

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



4A5DE6



D90234



477A00



0087A8

# Rectangle

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



4A5DE6



D2008C



477A00



00864C



# Sweetspot

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



4A5DE6



CCD2FF



4AE6D1



616580



000000



808080



# Same Dimension

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



4A5DE6



304AFF



834AE6



676973



0016B3



000633



# Inverse Universe

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



E64A5D



FF304A



ADE64A



736769



B30016

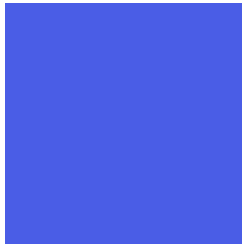


330006



# Previews

## White Background



This preview shows how the Hex color 4A5DE6 looks on a white background.

## Color Contrast Check

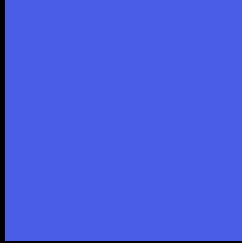
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 4A5DE6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

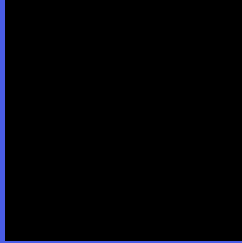
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4A5DE6 Background



This preview shows how black text looks on a background with the Hex color 4A5DE6.

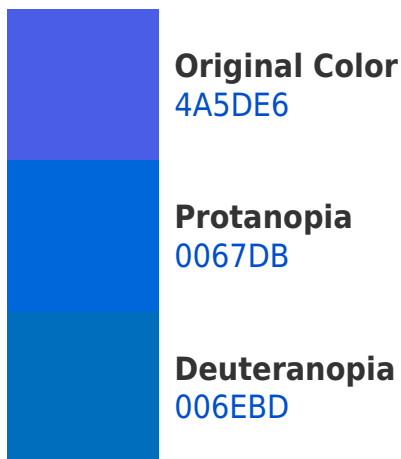


This preview shows how white text looks on a background with the Hex color 4A5DE6.

# 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**  
007780

# Trichromacy



**Original Color**  
4A5DE6

**Protanomaly**  
1B63DF

**Deuteranomaly**  
1B68CC

**Tritanomaly**  
1B6EA5

# Monochromacy



**Original Color**  
4A5DE6

**Achromatopsia**  
676767

**Achromatomaly**  
5C6395

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4A5DE6 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 #4A5DE6 looks like.

```
.text, #text, p{  
    color:#4A5DE6  
}
```

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 #4A5DE6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4A5DE6
}
```

## Border

The CSS property to change the border of an element to Hex 4A5DE6 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
#4A5DE6 }
```

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

```
.border{ border-color:#4A5DE6 }
```

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

Here you see how a box with a 4 pixel #4A5DE6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4A5DE6; -webkit-box-shadow:4px 4px  
4px 4px #4A5DE6; box-shadow:4px 4px 4px  
4px #4A5DE6 }
```

# Background

The CSS property to change the background color of an element to Hex 4A5DE6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4A5DE6 }
```

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

```
.background{ background-color:#4A5DE6 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor