

# Converting Colors

Hex(226DE7)

Have a look what the booklet for  
Hex(226DE7) contains.

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# Color

Hex(226DE7)

# Conversions

## Conversions Part 1

Format	Color
Hex	226DE7
RGB	34, 109, 231
RGB Percent	13%, 43%, 91%
CMY	0.8667, 0.5725, 0.0941
CMYK	0.85, 0.53, 0.00, 0.09
HSL	217°, 80%, 52%
HSV	217°, 85%, 91%
XYZ	20.5521, 17.0469, 77.8085
YIQ	100.4830, -83.8620, 22.0420

# Conversions

## Conversions Part 2

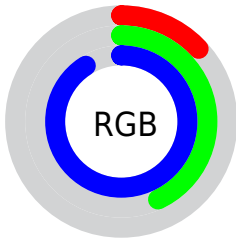
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 88, 231
Decimal	2256359
CIE <sub>Lab</sub>	48.32, 22.87, -67.91
CIE <sub>LCh</sub>	48, 71.660, 288.611
Yxy	17.0469, 0.1781, 0.1477
Android (android.graphics.Color)	4280446439 (0xFF226DE7)
YUV	100.4830, 64.3449, -58.3056
Hunter-Lab	41.2879, 16.5993, -82.8326

# Details

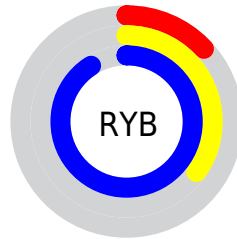
The Hex color **226DE7** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **E79C22**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **73A0FF**, and **003FAE** is the 20% darker color. If you saturate the color by 10%, you get **0B5FE7**, and if you desaturate by 10%, it is **397BE7**.

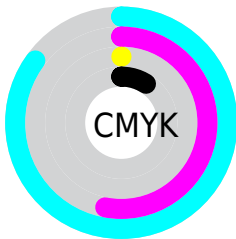
# Distribution



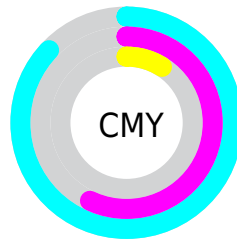
- Red (13%)
- Green (43%)
- Blue (91%)



- Red (13%)
- Yellow (35%)
- Blue (91%)



- Cyan (85%)
- Magenta (53%)
- Yellow (0%)
- Black (9%)



- Cyan (87%)
- Magenta (57%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 226DE7 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 226DE7 by changing the saturation by 10% instead.



■ 226DE7

■ 226DE7

FFFFFF

■ 0055CA

■ 73A0FF

■ 003FAE

■ 93BBFF

■ 002A93

■ B3D6FF

■ 001979

■ D2F2FF

■ 00035F

■ F1FFFF

■ 000846

■ 00042F

■ 000119

■ 000000

■ 226DE7

■ 226DE7

■ 0B5FE7

■ 397BE7

■ 0058E7

■ 508AE7

■ 6798E7

■ 7EA6E7

■ 95B5E7

■ ADC3E7

■ C4D1E7

■ DBDFE7

■ F2EEE7

# Harmonies

## Analogous

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



0081EB



226DE7



A24DC4

# Triad

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



226DE7



C74A13



008B59

# Complementary

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



226DE7



E79C22

# 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.



008614



226DE7



9E6800

# Square

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



226DE7



DB2750



687B00



008D98

# Rectangle

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



226DE7



C634A0



687B00



008A43



# Sweetspot

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



226DE7



BDD6FF



22E79B



586780



000000



808080



# Same Dimension

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



226DE7



0061FF



3922E7



676C73



0044B3



001333



# Inverse Universe

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



E7226D



FF0061



D0E722



73676C



B30044



330013



# Previews

## White Background



This preview shows how the Hex color 226DE7 looks on a white background.

## Color Contrast Check

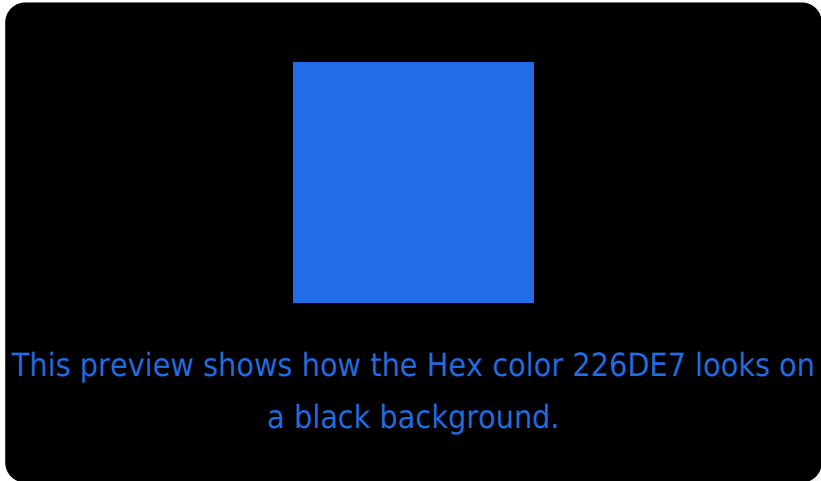
Large Text (above 18pt) WCAG AA ✓ Pass

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

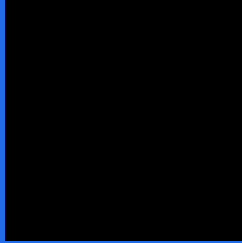
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

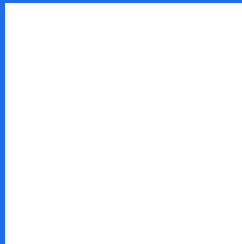
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 226DE7 Background



This preview shows how black text looks on a background with the Hex color 226DE7.

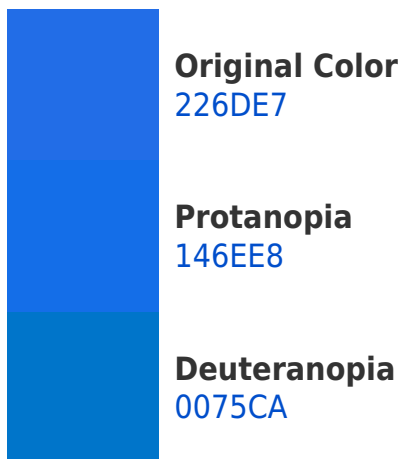


This preview shows how white text looks on a background with the Hex color 226DE7.

# 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**  
007F87

# Trichromacy



**Original Color**  
226DE7

**Protanomaly**  
196EE8

**Deuteranomaly**  
0C72D5

**Tritanomaly**  
0C78AA

# Monochromacy



**Original Color**  
226DE7

**Achromatopsia**  
646464

**Achromatomaly**  
4C6794

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 226DE7 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 #226DE7 looks like.

```
.text, #text, p{  
    color:#226DE7  
}
```

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 #226DE7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #226DE7
}
```

## Border

The CSS property to change the border of an element to Hex 226DE7 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
#226DE7 }
```

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

```
.border{ border-color:#226DE7 }
```

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

Here you see how a box with a 4 pixel #226DE7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #226DE7; -webkit-box-shadow:4px 4px  
4px 4px #226DE7; box-shadow:4px 4px 4px  
4px #226DE7 }
```

# Background

The CSS property to change the background color of an element to Hex 226DE7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#226DE7 }
```

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

```
.background{ background-color:#226DE7 }
```

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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