

# Converting Colors

Hex(2807E6)

Have a look what the booklet for  
Hex(2807E6) contains.

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# Color

**Hex(2807E6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2807E6
RGB	40, 7, 230
RGB Percent	16%, 3%, 90%
CMY	0.8431, 0.9725, 0.0980
CMYK	0.83, 0.97, 0.00, 0.10
HSL	249°, 94%, 46%
HSV	249°, 97%, 90%
XYZ	15.2340, 6.3162, 75.2791
YIQ	42.2890, -51.9150, 76.3490

# Conversions

## Conversions Part 2

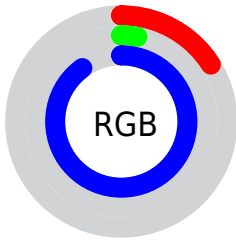
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 7, 230
Decimal	2623462
CIELab	30.20, 72.48, -97.20
CIELCh	30, 121.245, 306.710
Yxy	6.3162, 0.1573, 0.0652
Android (android.graphics.Color)	4280813542 (0xFF2807E6)
YUV	42.2890, 92.5415, -2.0075
Hunter-Lab	25.1321, 64.2175, -160.0008

# Details

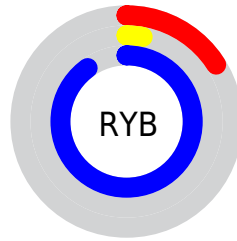
The Hex color **2807E6** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **C5E607**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **7C48FF**, and **0000AD** is the 20% darker color. If you saturate the color by 10%, you get **2200E6**, and if you desaturate by 10%, it is **3C1EE6**.

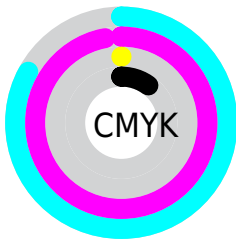
# Distribution



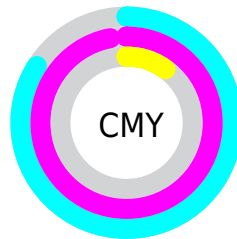
- Red (16%)
- Green (3%)
- Blue (90%)



- Red (16%)
- Yellow (3%)
- Blue (90%)



- Cyan (83%)
- Magenta (97%)
- Yellow (0%)
- Black (10%)



- Cyan (84%)
- Magenta (97%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2807E6 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 2807E6 by changing the saturation by 10% instead.



 2807E6

 2807E6


FFFFFF

 0000C9

 7C48FF

 0000AD

 9E63FF

 000091

 BF7EFF

 000076

 DF9AFF

 000E5C

 FFB6FF

 000743

 FFD2FF

 00032C

 FFEFFF

 000117

 000000

■ 2807E6

■ 2807E6

■ 2200E6

■ 3C1EE6

■ 4F35E6

■ 634CE6

■ 7663E6

■ 8A7AE6

■ 9E91E6

■ B1A8E6

■ C5BFE6

■ D8D6E6

# Harmonies

## Analogous

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



0056FF



2807E6



BB0095

# Triad

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



2807E6



8F1500



00625C

# Complementary

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



2807E6



C5E607

# 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.



005F00



2807E6



454C00

# Square

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



2807E6



C30000



005B00



0065BB

# Rectangle

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



2807E6



D50057



005B00



00613A



# Sweetspot

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



2807E6



C0B5FF



07C8E6



595380



000000



808080



# Same Dimension

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



2807E6



2600FF



9407E6



696773



1A00B3



080033



# Inverse Universe

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



E607C5



FF00D9



59E607



736771



B30098

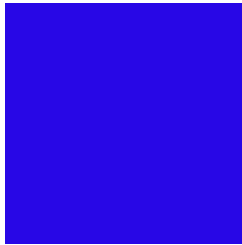


33002B



# Previews

## White Background



This preview shows how the Hex color 2807E6 looks on a white background.

## Color Contrast Check

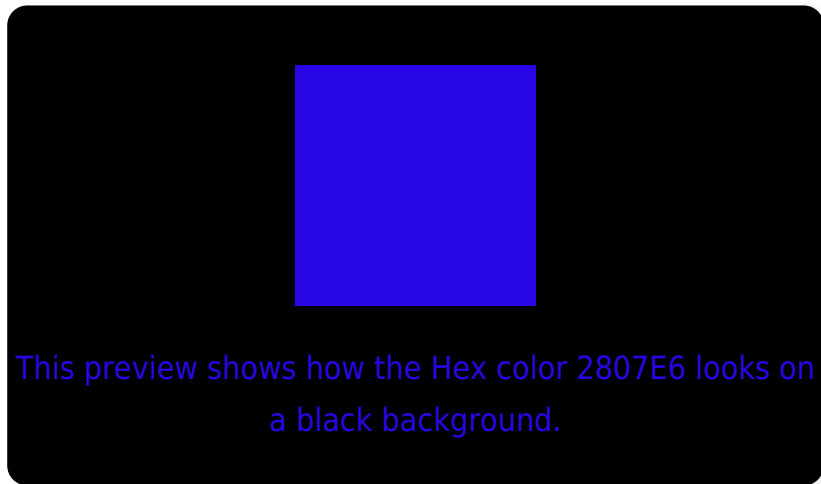
Large Text (above 18pt) WCAG AA ✓ Pass

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

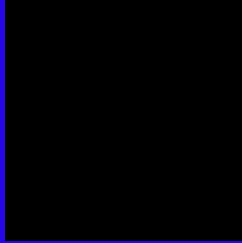
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2807E6 Background



This preview shows how black text looks on a background with the Hex color 2807E6.



This preview shows how white text looks on a background with the Hex color 2807E6.

# 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**  
2807E6

**Protanopia**  
004591

**Deuteranopia**  
004A7B



# Trichromacy



**Original Color**  
2807E6

**Protanomaly**  
0F2EB0

**Deuteranomaly**  
0F32A2

**Tritanomaly**  
0F3589

# Monochromacy



**Original Color**  
2807E6

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
291D6E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2807E6 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 #2807E6 looks like.

```
.text, #text, p{  
    color:#2807E6  
}
```

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 #2807E6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2807E6
}
```

## Border

The CSS property to change the border of an element to Hex 2807E6 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
#2807E6 }
```

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

```
.border{ border-color:#2807E6 }
```

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

Here you see how a box with a 4 pixel #2807E6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2807E6; -webkit-box-shadow:4px 4px  
4px 4px #2807E6; box-shadow:4px 4px 4px  
4px #2807E6 }
```

# Background

The CSS property to change the background color of an element to Hex 2807E6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2807E6 }
```

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

```
.background{ background-color:#2807E6 }
```

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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