

Converting Colors

Hex(80337D)

Have a look what the booklet for
Hex(80337D) contains.

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Color

Hex(80337D)

Conversions

Conversions Part 1

Format	Color
Hex	80337D
RGB	128, 51, 125
RGB Percent	50%, 20%, 49%
CMY	0.4980, 0.8000, 0.5098
CMYK	0.00, 0.60, 0.02, 0.50
HSL	302°, 43%, 35%
HSV	302°, 60%, 50%
XYZ	13.7876, 8.4375, 20.3040
YIQ	82.4590, 22.1380, 39.3380

Conversions

Conversions Part 2

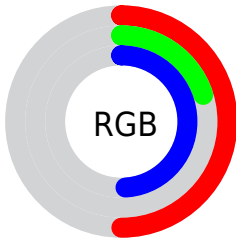
Format	Color
R_{YB}	128, 51, 125
Decimal	8401789
CIE _{Lab}	34.88, 43.41, -26.54
CIE _{LCh}	35, 50.885, 328.560
Yxy	8.4375, 0.3242, 0.1984
Android (android.graphics.Color)	4286591869 (0xFF80337D)
YUV	82.4590, 20.9727, 39.9395
Hunter-Lab	29.0474, 33.8935, -21.1102

Details

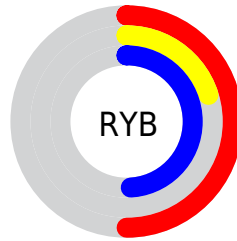
The Hex color **80337D** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **338036**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **B766B2**, and **4C004C** is the 20% darker color. If you saturate the color by 10%, you get **80267D**, and if you desaturate by 10%, it is **80407D**.

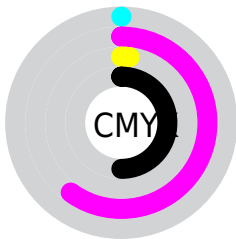
Distribution



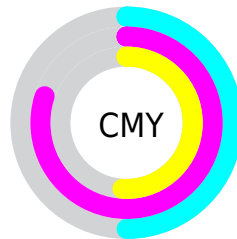
- Red (50%)
- Green (20%)
- Blue (49%)



- Red (50%)
- Yellow (20%)
- Blue (49%)



- Cyan (0%)
- Magenta (60%)
- Yellow (2%)
- Black (50%)



- Cyan (50%)
- Magenta (80%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Hex color 80337D 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 80337D by changing the saturation by 10% instead.

 80337D

 80337D

FFFFFF

 661864

 B766B2

 4C004C

 D381CE

 330035

 F09BEA

 1A001F

 FFB7FF

 000001

 FFD3FF

 000000

 FFF0FF

 80337D

 80337D

 80267D

 80407D

 80197C

 804D7E

 800D7C

 80597E

 80007B

 80667F

 80737F

 808080

 808D80

 809981

 80A681

Harmonies

Analogous

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



4A489A



80337D



972356

Triad

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



80337D



665000



006478

Complementary

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



80337D



338036

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.



00644F



80337D



3E5B00

Square

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



80337D



843F05



006124



006097

Rectangle

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



80337D



99263B



006124



00646B

Sweetspot

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



80337D



A688A5



363380



544253



D4D4D4



545454

Same Dimension

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



80337D



A62EA1



803357



403940



80007B



000000

Inverse Universe

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



80337D



A62EA1



33805C



403940



80007B



000000

Previews

White Background



This preview shows how the Hex color 80337D looks on a white background.

Color Contrast Check

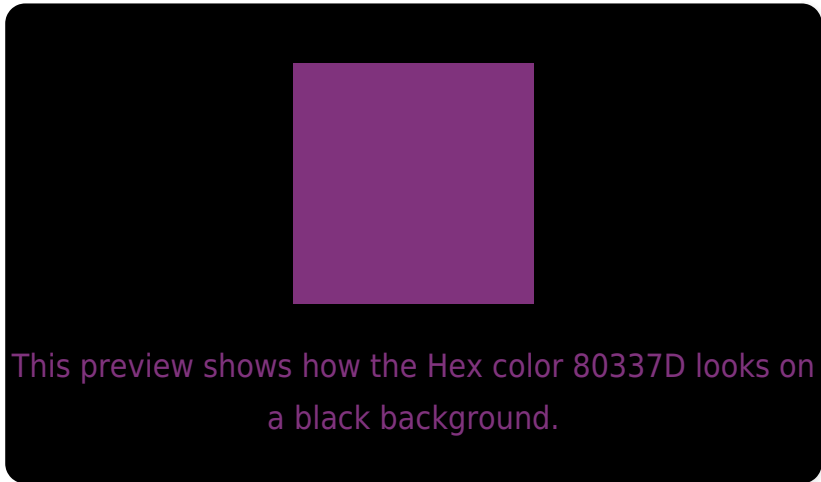
Large Text (above 18pt) WCAG AA ✓ Pass

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

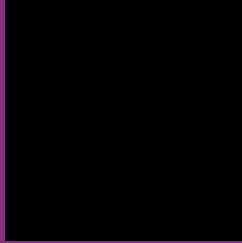
Any Text WCAG AA × Fail

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 80337D Background



This preview shows how black text looks on a background with the Hex color 80337D.



This preview shows how white text looks on a background with the Hex color 80337D.

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
80337D

Protanopia
2F5197

Deuteranopia
445278



Tritanopia
7A4247

Trichromacy



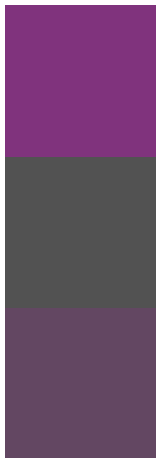
Original Color
80337D

Protanomaly
4C468E

Deuteranomaly
5A477A

Tritanomaly
7C3D5B

Monochromacy



Original Color
80337D

Achromatopsia
525252

Achromatomaly
634762

CSS Examples

Text

The CSS property to change the color of the text to Hex 80337D 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 #80337D looks like.

```
.text, #text, p{  
    color:#80337D  
}
```

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 #80337D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80337D
}
```

Border

The CSS property to change the border of an element to Hex 80337D is called "border". The border property can be set on classes, ids or directly on the HTML element.

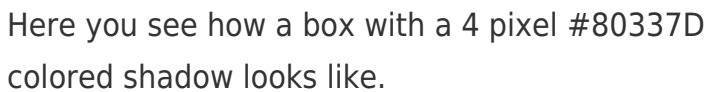
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#80337D }
```

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

```
.border{ border-color:#80337D }
```

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



Here you see how a box with a 4 pixel #80337D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80337D; -webkit-box-shadow:4px 4px  
4px 4px #80337D; box-shadow:4px 4px 4px  
4px #80337D }
```

Background

The CSS property to change the background color of an element to Hex 80337D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80337D }
```

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

```
.background{ background-color:#80337D }
```

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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