

# Converting Colors

Hex(83226E)

Have a look what the booklet for  
Hex(83226E) contains.

<b>Hex(83226E)</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(83226E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83226E
RGB	131, 34, 110
RGB Percent	51%, 13%, 43%
CMY	0.4863, 0.8667, 0.5686
CMYK	0.00, 0.74, 0.16, 0.49
HSL	313°, 59%, 32%
HSV	313°, 74%, 51%
XYZ	12.7466, 7.0951, 15.4495
YIQ	71.6670, 33.4160, 44.2000

# Conversions

## Conversions Part 2

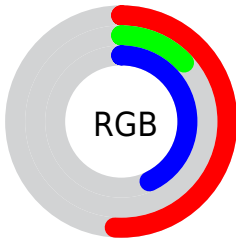
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 34, 110
Decimal	8594030
CIE <sub>Lab</sub>	32.02, 48.94, -21.52
CIE <sub>LCh</sub>	32, 53.459, 336.264
Yxy	7.0951, 0.3612, 0.2010
Android (android.graphics.Color)	4286784110 (0xFF83226E)
YUV	71.6670, 18.8982, 52.0350
Hunter-Lab	26.6367, 38.8041, -15.7431

# Details

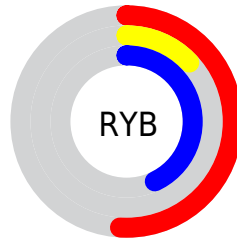
The Hex color **83226E** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **228337**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **BB58A2**, and **4E003E** is the 20% darker color. If you saturate the color by 10%, you get **83156B**, and if you desaturate by 10%, it is **832F71**.

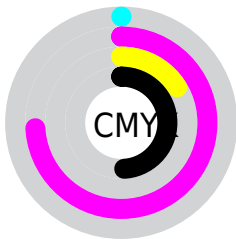
# Distribution



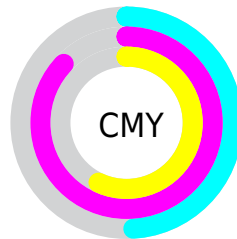
- Red (51%)
- Green (13%)
- Blue (43%)



- Red (51%)
- Yellow (13%)
- Blue (43%)



- Cyan (0%)
- Magenta (74%)
- Yellow (16%)
- Black (49%)



- Cyan (49%)
- Magenta (87%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83226E 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 83226E by changing the saturation by 10% instead.



 83226E

 83226E

FFFFFF

 680055

 BB58A2

 4E003E

 D873BD

 360028

 F58ED9

 170012

 FFA9F5

 000000


 FFC6FF

 FFE2FF

 83226E

 83226E

 83156B

 832F71

■ 830868

■ 833C74

■ 830067

■ 834977

■ 835679

■ 83637C

■ 83717F

■ 837E82

■ 838B85

■ 839888

# Harmonies

## Analogous

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



553B90



83226E



931244

# Triad

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



83226E



554C00



005D7C

# Complementary

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



83226E



228337

# 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.



005D53



83226E



265600

# Square

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



83226E



763C00



005B27



005999

# Rectangle

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



83226E



911D29



005B27



005D70



# Sweetspot

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



83226E



AB85A3



352283



574052



D6D6D6



575757



# Same Dimension

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



83226E



AB138A



83223F



423C41



820066



030002



# Inverse Universe

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



83226E



AB138A



228366



423C41



820066



030002



# Previews

## White Background



This preview shows how the Hex color 83226E looks on a white background.

## Color Contrast Check

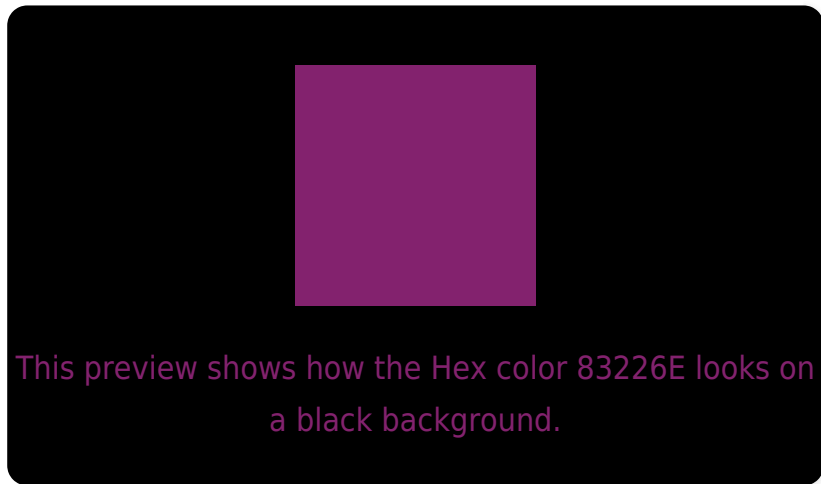
Large Text (above 18pt) WCAG AA ✓ Pass

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

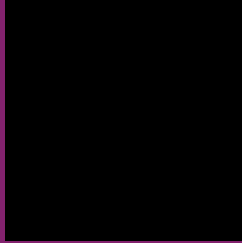
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 83226E Background



This preview shows how black text looks on a background with the Hex color 83226E.




This preview shows how white text looks on a background with the Hex color 83226E.

# 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**  
7E3437

# Trichromacy



**Original Color**  
83226E



**Protanomaly**  
493B84



**Deuteranomaly**  
5B3D6A



**Tritanomaly**  
802D4B

# Monochromacy



**Original Color**  
83226E



**Achromatopsia**  
484848



**Achromatomaly**  
5D3A56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83226E 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 #83226E looks like.

```
.text, #text, p{  
    color:#83226E  
}
```

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 #83226E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83226E
}
```

## Border

The CSS property to change the border of an element to Hex 83226E is called "border". The border property can be set on classes, ids or directly on the HTML element.

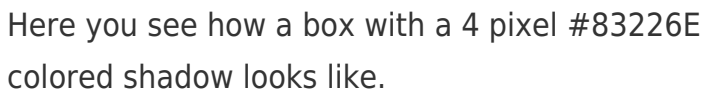
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#83226E }
```

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

```
.border{ border-color:#83226E }
```

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



Here you see how a box with a 4 pixel #83226E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83226E; -webkit-box-shadow:4px 4px  
4px 4px #83226E; box-shadow:4px 4px 4px  
4px #83226E }
```

# Background

The CSS property to change the background color of an element to Hex 83226E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83226E }
```

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

```
.background{ background-color:#83226E }
```

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