

# Converting Colors

Hex(812D75)

Have a look what the booklet for  
Hex(812D75) contains.

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# Color

**Hex(812D75)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 812D75                    |
| RGB           | 129, 45, 117              |
| RGB Percent   | 51%, 18%, 46%             |
| CMY           | 0.4941, 0.8235, 0.5412    |
| CMYK          | 0.00, 0.65, 0.09, 0.49    |
| HSL           | 309°, 48%, 34%            |
| HSV           | 309°, 65%, 51%            |
| XYZ           | 13.2025, 7.8283, 17.6448  |
| YIQ           | 78.3240, 26.9520, 40.2000 |

# Conversions

## Conversions Part 2

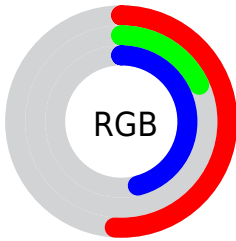
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 129, 45, 117                  |
| Decimal                             | 8465781                       |
| CIE Lab                             | 33.62, 45.06, -23.48          |
| CIE LCh                             | 34, 50.808, 332.472           |
| Yxy                                 | 7.8283, 0.3414,<br>0.2024     |
| Android<br>(android.graphics.Color) | 4286655861<br>(0xFF812D75)    |
| YUV                                 | 78.3240, 19.0673,<br>44.4429  |
| Hunter-Lab                          | 27.9790, 35.2660,<br>-17.8055 |

# Details

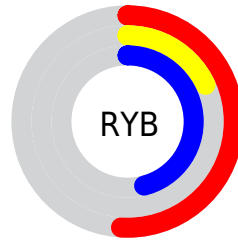
The Hex color **812D75** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **2D8139**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **B861A9**, and **4D0044** is the 20% darker color. If you saturate the color by 10%, you get **812073**, and if you desaturate by 10%, it is **813A77**.

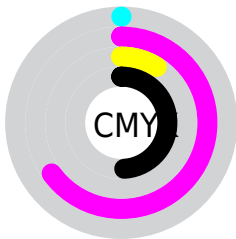
# Distribution



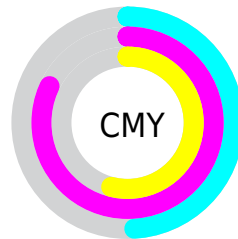
- Red (51%)
- Green (18%)
- Blue (46%)



- Red (51%)
- Yellow (18%)
- Blue (46%)



- Cyan (0%)
- Magenta (65%)
- Yellow (9%)
- Black (49%)



- Cyan (49%)
- Magenta (82%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 812D75 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 812D75 by changing the saturation by 10% instead.



 812D75

 812D75

FFFFFF

 66105C

 B861A9

 4D0044

 D57BC5

 34002E

 F296E1

 190019


 FF2FE


 000000

 FFCEFF


 FFEBFF

 812D75

 812D75

 812073

 813A77


 811371

 814779

 81066F

 81547B

 81006F

 81617C

 816E7E

 817A80

 818782

 819484

 81A186

# Harmonies

## Analogous

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



514394



812D75



941F4E

# Triad

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



812D75



5E4E00



006079

# Complementary

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



812D75



2D8139

# 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.



006151



812D75



345900

# Square

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



812D75



7D3E00



005E27



005D97

# Rectangle

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



812D75



942433



005E27



00616D



# Sweetspot

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



812D75



A887A3



382D81



544051



D4D4D4



545454



# Same Dimension

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



812D75



A82596



812D4C



40393F



80006D



000000



# Inverse Universe

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



812D75



A82596



2D8162



40393F



80006D



000000



# Previews

## White Background



This preview shows how the Hex color 812D75 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

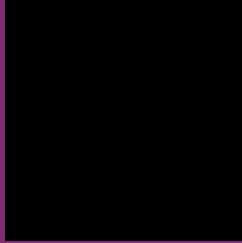
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 812D75 Background



This preview shows how black text looks on a background with the Hex color 812D75.

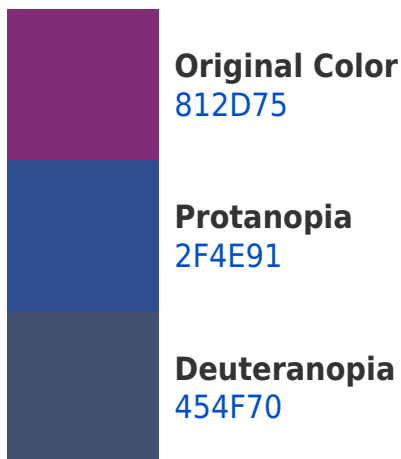


This preview shows how white text looks on a background with the Hex color 812D75.

# 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**  
7C3C40

# Trichromacy



**Original Color**  
812D75

**Protanomaly**  
4D4287

**Deuteranomaly**  
5B4372

**Tritanomaly**  
7E3753

# Monochromacy



**Original Color**  
812D75

**Achromatopsia**  
4E4E4E

**Achromatomaly**  
61425C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 812D75 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 #812D75 looks like.

```
.text, #text, p{  
    color:#812D75  
}
```

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 #812D75 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #812D75  
}
```

## Border

The CSS property to change the border of an element to Hex 812D75 is called "border". The border property can be set on classes, ids or directly on the HTML element.

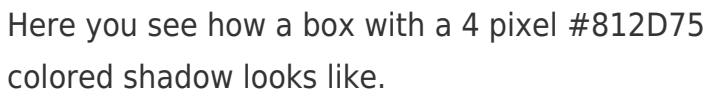
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#812D75 }
```

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

```
.border{ border-color:#812D75 }
```

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



Here you see how a box with a 4 pixel #812D75 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #812D75; -webkit-box-shadow:4px 4px  
4px 4px #812D75; box-shadow:4px 4px 4px  
4px #812D75 }
```

# Background

The CSS property to change the background color of an element to Hex 812D75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#812D75 }
```

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

```
.background{ background-color:#812D75 }
```

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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