

# Converting Colors

Hex(80212F)

Have a look what the booklet for  
Hex(80212F) contains.

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**Color**

**Hex(80212F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80212F
RGB	128, 33, 47
RGB Percent	50%, 13%, 18%
CMY	0.4980, 0.8706, 0.8157
CMYK	0.00, 0.74, 0.63, 0.50
HSL	351°, 59%, 32%
HSV	351°, 74%, 50%
XYZ	9.9590, 5.8821, 3.2998
YIQ	63.0010, 52.1260, 24.4940

# Conversions

## Conversions Part 2

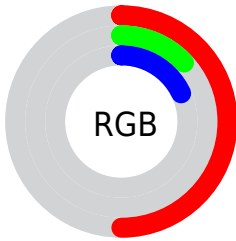
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 33, 47
Decimal	8397103
CIE <sub>Lab</sub>	29.11, 41.27, 15.43
CIE <sub>LCh</sub>	29, 44.056, 20.497
Yxy	5.8821, 0.5203, 0.3073
Android (android.graphics.Color)	4286587183 (0xFF80212F)
YUV	63.0010, -7.8885, 57.0041
Hunter-Lab	24.2531, 30.8543, 8.9104

# Details

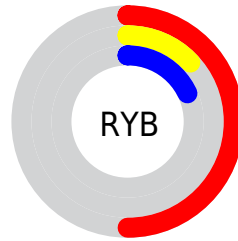
The Hex color **80212F** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **218072**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **BA555D**, and **490000** is the 20% darker color. If you saturate the color by 10%, you get **801424**, and if you desaturate by 10%, it is **802E3A**.

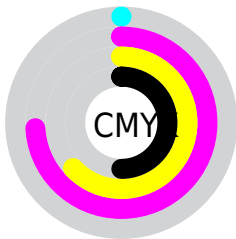
# Distribution



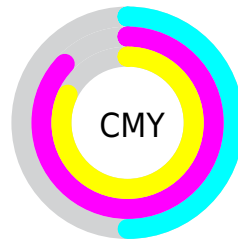
- Red (50%)
- Green (13%)
- Blue (18%)



- Red (50%)
- Yellow (13%)
- Blue (18%)



- Cyan (0%)
- Magenta (74%)
- Yellow (63%)
- Black (50%)



- Cyan (50%)
- Magenta (87%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80212F 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 80212F by changing the saturation by 10% instead.



 80212F

 80212F

FFFFFF

 64001A

 BA555D

 490000

 D76F75

 300002

 F58A8F

 000000

 FFA5A9

 FFC1C4

 FFDDE0

 FFFAFD

 80212F

 80212F

 801424

 802E3A

 800719

 803B45

 800013

 804750

 80545B

 806166

 806E70

 807B7B

 808786

 809491

# Harmonies

## Analogous

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



7B2051



80212F



74300F

# Triad

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



80212F



0A5015



004C88

# Complementary

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



80212F



218072

# 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.



005279



80212F



005338

# Square

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



80212F



3E4A00



00545C



2A4085

# Rectangle

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



80212F



663B00



00545C



004E85



# Sweetspot

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



80212F



A68187



722180



543E41



D4D4D4



545454



# Same Dimension

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



80212F



A61228



804221



40393A



800013



000000



# Inverse Universe

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



80212F



A61228



215F80



40393A



800013

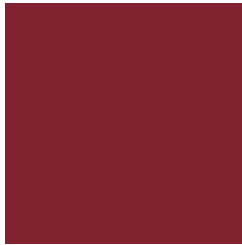


000000



# Previews

## White Background



This preview shows how the Hex color 80212F looks on a white background.

## Color Contrast Check

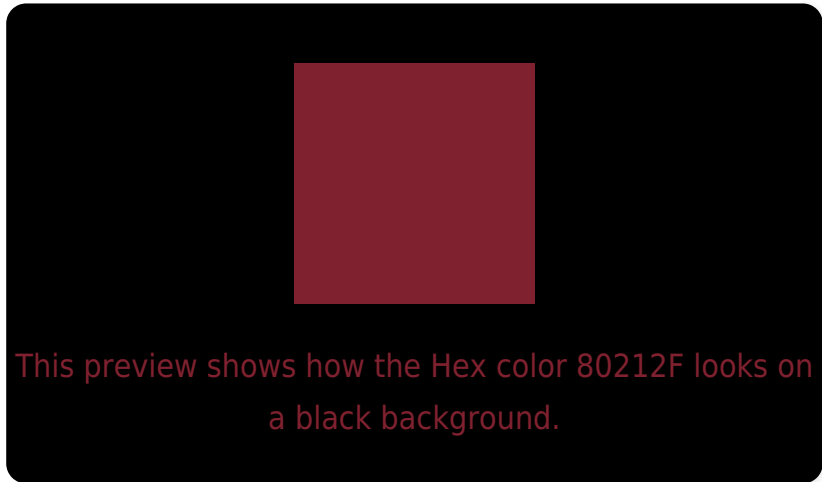
Large Text (above 18pt) WCAG AA ✓ Pass

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 80212F Background



This preview shows how black text looks on a background with the Hex color 80212F.



This preview shows how white text looks on a background with the Hex color 80212F.

# 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**  
80212F

**Protanopia**  
49463F

**Deuteranopia**  
55432A



**Tritanopia**  
802324

# Trichromacy



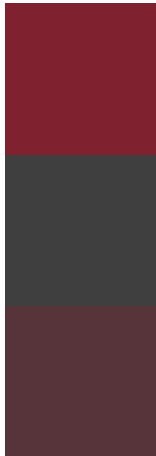
**Original Color**  
80212F

**Protanomaly**  
5D3939

**Deuteranomaly**  
65372C

**Tritanomaly**  
802228

# Monochromacy



**Original Color**  
80212F

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
573439

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80212F 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 #80212F looks like.

```
.text, #text, p{  
    color:#80212F  
}
```

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 #80212F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80212F
}
```

## Border

The CSS property to change the border of an element to Hex 80212F is called "border". The border property can be set on classes, ids or directly on the HTML element.

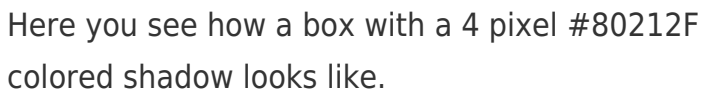
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#80212F }
```

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

```
.border{ border-color:#80212F }
```

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



Here you see how a box with a 4 pixel #80212F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80212F; -webkit-box-shadow:4px 4px  
4px 4px #80212F; box-shadow:4px 4px 4px  
4px #80212F }
```

# Background

The CSS property to change the background color of an element to Hex 80212F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80212F }
```

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

```
.background{ background-color:#80212F }
```

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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