

# Converting Colors

Hex(9B222A)

Have a look what the booklet for  
Hex(9B222A) contains.

<b>Hex(9B222A)</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(9B222A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9B222A
RGB	155, 34, 42
RGB Percent	61%, 13%, 16%
CMY	0.3922, 0.8667, 0.8353
CMYK	0.00, 0.78, 0.73, 0.39
HSL	356°, 64%, 37%
HSV	356°, 78%, 61%
XYZ	14.5075, 8.2798, 3.0240
YIQ	71.0910, 69.5480, 28.1400

# Conversions

## Conversions Part 2

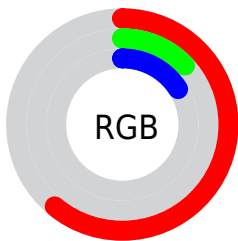
Format	Color
R <sub>Y</sub> B	155, 34, 42
Decimal	10166826
CIE Lab	34.56, 49.29, 26.60
CIE LCh	35, 56.007, 28.359
Yxy	8.2798, 0.5621, 0.3208
Android (android.graphics.Color)	4288356906 (0xFF9B222A)
YUV	71.0910, -14.3419, 73.5882
Hunter-Lab	28.7746, 39.6401, 13.9113

# Details

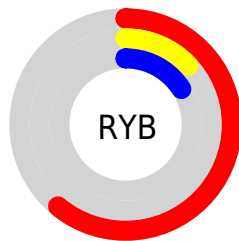
The Hex color **9B222A** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **229B93**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **D85A57**, and **600000** is the 20% darker color. If you saturate the color by 10%, you get **9B131C**, and if you desaturate by 10%, it is **9B3138**.

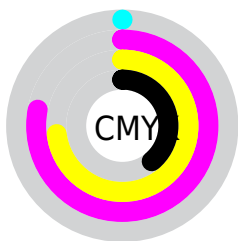
# Distribution



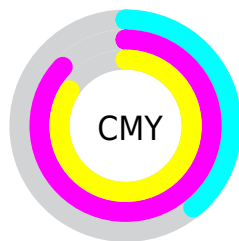
- Red (61%)
- Green (13%)
- Blue (16%)



- Red (61%)
- Yellow (13%)
- Blue (16%)



- Cyan (0%)
- Magenta (78%)
- Yellow (73%)
- Black (39%)



- Cyan (39%)
- Magenta (87%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9B222A 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 9B222A by changing the saturation by 10% instead.



 9B222A

 9B222A

FFFFFF

 7D0015

 D85A57

 600000

 F67570

 430000

 FF9089

 270001

 FFACA4

 000000

 FFC8BF

 FFE5DB

 FFFFF7

 9B222A

 9B222A

■ 9B131C

■ 9B3138

■ 9B030D

■ 9B4147

■ 9B000A

■ 9B5055

■ 9B6064

■ 9B6F72

■ 9B7F81

■ 9B8F8F

■ 9B9E9E

■ 9BADAC

# Harmonies

## Analogous

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



9C1656



9B222A



873B00

# Triad

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



9B222A



00611E



0058AB

# Complementary

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



9B222A



229B93

# 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.



00619D



9B222A



00644D

# Square

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



9B222A



3A5B00



00647B



4646A1

# Rectangle

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



9B222A



724900



00647B



005CA9



# Sweetspot

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



9B222A



C99B9E



93229B



66494B



E6E6E6



666666



# Same Dimension

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



9B222A



C90C19



9B5622



4D4545



8C0009



0D0001



# Inverse Universe

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



9B222A



C90C19



22679B



4D4545



8C0009



0D0001



# Previews

## White Background



This preview shows how the Hex color 9B222A 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 9B222A Background



This preview shows how black text looks on a background with the Hex color 9B222A.

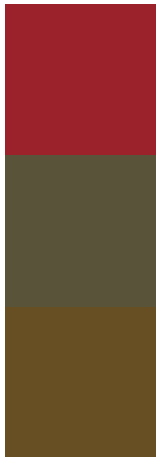


This preview shows how white text looks on a background with the Hex color 9B222A.

# 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**  
9B222A

**Protanopia**  
59533A

**Deuteranopia**  
674F23



**Tritanopia**  
9B2324

# Trichromacy



**Original Color**  
9B222A

**Protanomaly**  
714134

**Deuteranomaly**  
7A3F26

**Tritanomaly**  
9B2326

# Monochromacy



**Original Color**  
9B222A

**Achromatopsia**  
474747

**Achromatomaly**  
663A3C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9B222A 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 #9B222A looks like.

```
.text, #text, p{  
  color:#9B222A  
}
```

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 #9B222A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B222A
}
```

## Border

The CSS property to change the border of an element to Hex 9B222A is called "border". The border property can be set on classes, ids or directly on the HTML element.

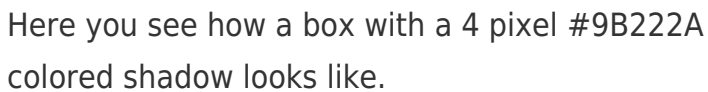
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#9B222A }
```

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

```
.border{ border-color:#9B222A }
```

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



Here you see how a box with a 4 pixel #9B222A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B222A; -webkit-box-shadow:4px 4px  
4px 4px #9B222A; box-shadow:4px 4px 4px  
4px #9B222A }
```

# Background

The CSS property to change the background color of an element to Hex 9B222A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B222A }
```

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

```
.background{ background-color:#9B222A }
```

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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