

# Converting Colors

Hex(A3312B)

Have a look what the booklet for  
Hex(A3312B) contains.

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# Color

**Hex(A3312B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3312B
RGB	163, 49, 43
RGB Percent	64%, 19%, 17%
CMY	0.3608, 0.8078, 0.8314
CMYK	0.00, 0.70, 0.74, 0.36
HSL	3°, 58%, 40%
HSV	3°, 74%, 64%
XYZ	16.6386, 10.1576, 3.3692
YIQ	82.4020, 69.8700, 22.3020

# Conversions

## Conversions Part 2

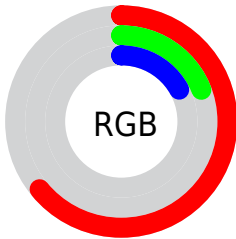
Format	Color
<a href="#">RYB</a>	<a href="#">163, 49, 43</a>
Decimal	<a href="#">10694955</a>
CIELab	<a href="#">38.12, 46.41, 30.53</a>
CIElCh	<a href="#">38, 55.551, 33.336</a>
Yxy	<a href="#">10.1576, 0.5516, 0.3367</a>
Android (android.graphics.Color)	<a href="#">4288885035</a> (0xFFA3312B)
YUV	<a href="#">82.4020, -19.4252, 70.6844</a>
Hunter-Lab	<a href="#">31.8709, 37.4139, 16.0420</a>

# Details

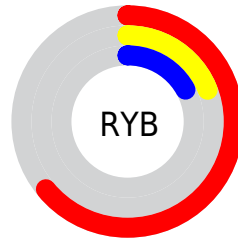
The Hex color **A3312B** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **2B9DA3**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **E06659**, and **680000** is the 20% darker color. If you saturate the color by 10%, you get **A3221B**, and if you desaturate by 10%, it is **A3403B**.

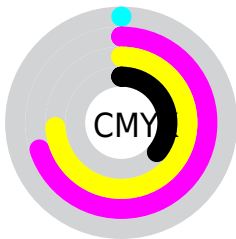
# Distribution



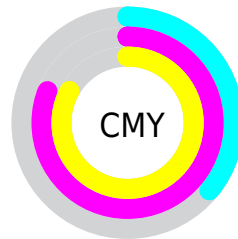
- Red (64%)
- Green (19%)
- Blue (17%)



- Red (64%)
- Yellow (19%)
- Blue (17%)



- Cyan (0%)
- Magenta (70%)
- Yellow (74%)
- Black (36%)



- Cyan (36%)
- Magenta (81%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A3312B 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 A3312B by changing the saturation by 10% instead.



 A3312B

 A3312B

FFFFFF

 851216

 E06659

 680000

 FF8172

 4B0000

 FF9C8B

 310002

 FFB8A6

 000000

 FFD5C1

 FFF2DD

 FFFFF9

 A3312B

 A3312B

 A3221B

 A3403B

 A3120A

 A3504C

 A30800

 A35F5C

 A36F6C

 A37E7D

 A38E8D

 A39D9D

 A3ADAD

 A3BCBE

# Harmonies

## Analogous

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



A72457



A3312B



8C4800

# Triad

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



A3312B



006B2F



005EB4

# Complementary

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



A3312B



2B9DA3

# 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.



0069AA



A3312B



006D5E

# Square

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



A3312B



3A6500



006D8A



5E4BA6

# Rectangle

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



A3312B



765400



006D8A



0062B4



# Sweetspot

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



A3312B



D4A7A5



A32B9D



6B514F



EBEBEB



6B6B6B



# Same Dimension

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



A3312B



D42319



A36D2B



524A49



910700



120100



# Inverse Universe

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



2B9DA3



19CAD4



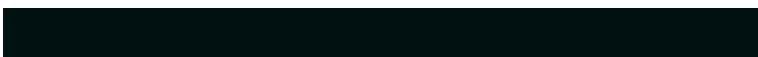
2B61A3



495152



008A91

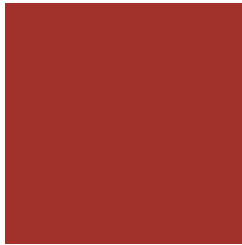


001112



# Previews

## White Background



This preview shows how the Hex color A3312B looks on a white background.

## Color Contrast Check

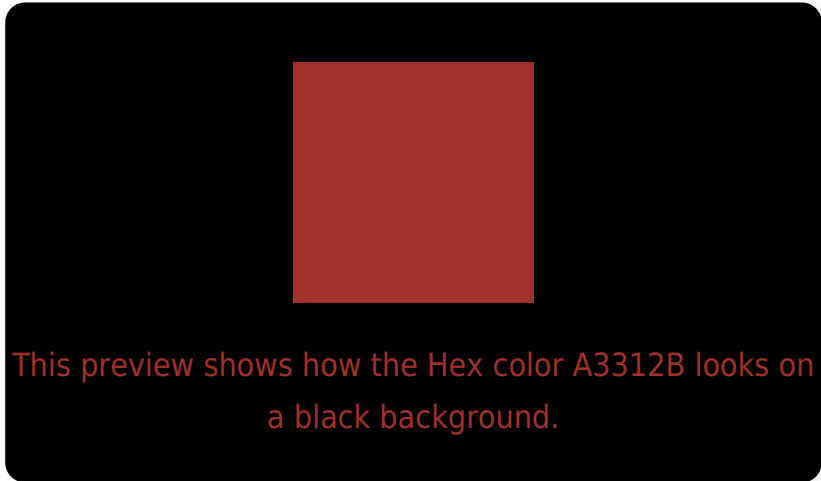
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 A3312B Background



This preview shows how black text looks on a background with the Hex color A3312B.



This preview shows how white text looks on a background with the Hex color A3312B.

# 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**  
A3312B

**Protanopia**  
635B39

**Deuteranopia**  
715624



# Trichromacy



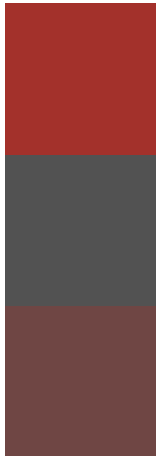
**Original Color**  
A3312B

**Protanomaly**  
7A4C34

**Deuteranomaly**  
834927

**Tritanomaly**  
A3302F

# Monochromacy



**Original Color**  
A3312B

**Achromatopsia**  
525252

**Achromatomaly**  
6F4644

# CSS Examples

## Text

The CSS property to change the color of the text to Hex A3312B 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 #A3312B looks like.

```
.text, #text, p{  
    color:#A3312B  
}
```

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 #A3312B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A3312B
}
```

## Border

The CSS property to change the border of an element to Hex A3312B is called "border". The border property can be set on classes, ids or directly on the HTML element.

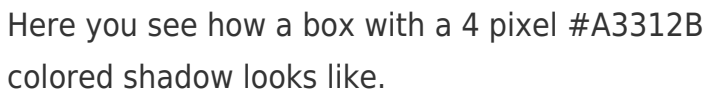
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#A3312B }
```

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

```
.border{ border-color:#A3312B }
```

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



Here you see how a box with a 4 pixel `#A3312B` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A3312B; -webkit-box-shadow:4px 4px  
4px 4px #A3312B; box-shadow:4px 4px 4px  
4px #A3312B }
```

# Background

The CSS property to change the background color of an element to Hex A3312B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A3312B }
```

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

```
.background{ background-color:#A3312B }
```

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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