

Converting Colors

Hex(993B0B)

Have a look what the booklet for
Hex(993B0B) contains.

Hex(993B0B)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(993B0B)

Conversions

Conversions Part 1

Format	Color
Hex	993B0B
RGB	153, 59, 11
RGB Percent	60%, 23%, 4%
CMY	0.4000, 0.7686, 0.9569
CMYK	0.00, 0.61, 0.93, 0.40
HSL	20°, 87%, 32%
HSV	20°, 93%, 60%
XYZ	14.7612, 9.9244, 1.4542
YIQ	81.6340, 71.4320, 5.0000

Conversions

Conversions Part 2

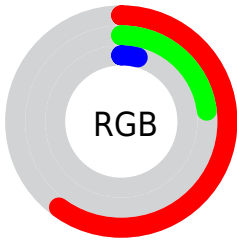
Format	Color
R _Y B	153, 84, 11
Decimal	10042123
CIE Lab	37.71, 37.27, 45.15
CIE LCh	38, 58.540, 50.461
Yxy	9.9244, 0.5647, 0.3797
Android (android.graphics.Color)	4288232203 (0xFF993B0B)
YUV	81.6340, -34.8226, 62.5880
Hunter-Lab	31.5030, 28.5088, 19.3152

Details

The Hex color **993B0B** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **0B6999**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **D66E3C**, and **5E0400** is the 20% darker color. If you saturate the color by 10%, you get **993400**, and if you desaturate by 10%, it is **99451A**.

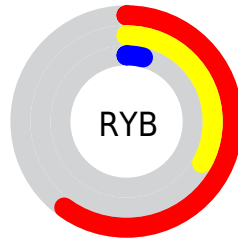
Distribution



Red (60%)

Green (23%)

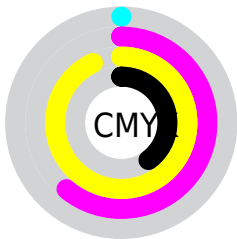
Blue (4%)



Red (60%)

Yellow (33%)

Blue (4%)

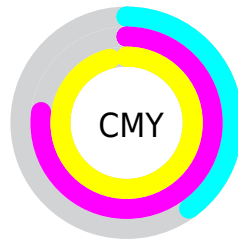


Cyan (0%)

Magenta (61%)

Yellow (93%)

Black (40%)



Cyan (40%)

Magenta (77%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Hex color 993B0B 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 993B0B by changing the saturation by 10% instead.

 993B0B

 993B0B

 FFFFF7

 7C2200

 D66E3C

 5E0400

 F58855

 420000

 FFA36E

 280001

 FFBE88

 000000

 FFDBA3

 FFF7BE

 FFFFDA

 993B0B

 993B0B

■ 993400

■ 99451A

■ 994F2A

■ 995939

■ 996448

■ 996E57

■ 997867

■ 998276

■ 998C85

■ 999695

Harmonies

Analogous

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



AA213B



993B0B



795100

Triad

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



993B0B



006C48



2B53B2

Complementary

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



993B0B



0B6999

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.



0063B7



993B0B



006D79

Square

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



993B0B



006814



006BA1



813A96

Rectangle

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



993B0B



5D5C00



006BA1



0059B7

Sweetspot

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



993B0B



C7A28F



990B6A



634D42



E3E3E3



636363

Same Dimension

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



993B0B



C74300



99810B



4D4745



8C2F00



0D0400

Inverse Universe

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



0B6999



0084C7



0B2399



454A4D



005D8C



00080D

Previews

White Background



This preview shows how the Hex color 993B0B looks on a white background.

Color Contrast Check

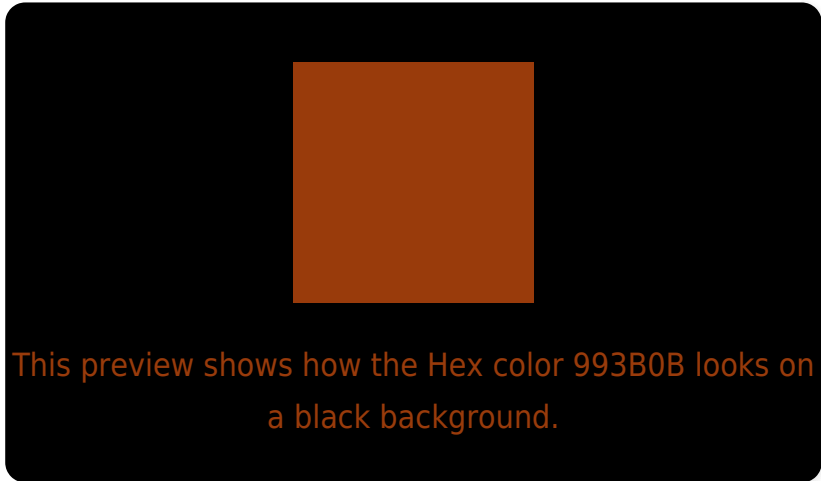
Large Text (above 18pt) WCAG AA ✓ Pass

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

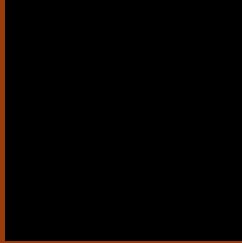
Any Text WCAG AA × Fail

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 993B0B Background



This preview shows how black text looks on a background with the Hex color 993B0B.



This preview shows how white text looks on a background with the Hex color 993B0B.

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
993B0B

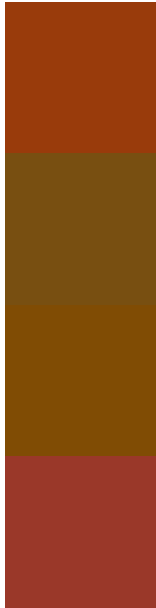
Protanopia
655A14

Deuteranopia
715500



Tritanopia
9A373A

Trichromacy



Original Color
993B0B

Protanomaly
784F11

Deuteranomaly
804C04

Tritanomaly
9A3829

Monochromacy



Original Color
993B0B

Achromatopsia
525252

Achromatomaly
6C4A38

CSS Examples

Text

The CSS property to change the color of the text to Hex 993B0B 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 #993B0B looks like.

```
.text, #text, p{  
    color:#993B0B  
}
```

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 #993B0B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #993B0B
}
```

Border

The CSS property to change the border of an element to Hex 993B0B 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
#993B0B }
```

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

```
.border{ border-color:#993B0B }
```

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

Here you see how a box with a 4 pixel #993B0B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #993B0B; -webkit-box-shadow:4px 4px  
4px 4px #993B0B; box-shadow:4px 4px 4px  
4px #993B0B }
```

Background

The CSS property to change the background color of an element to Hex 993B0B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#993B0B }
```

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

```
.background{ background-color:#993B0B }
```

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