

# Converting Colors

Hex(8B8320)

Have a look what the booklet for  
Hex(8B8320) contains.

<b>Hex(8B8320)</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(8B8320)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8B8320
RGB	139, 131, 32
RGB Percent	55%, 51%, 13%
CMY	0.4549, 0.4863, 0.8745
CMYK	0.00, 0.06, 0.77, 0.45
HSL	56°, 63%, 34%
HSV	56°, 77%, 55%
XYZ	19.0245, 21.8259, 4.5766
YIQ	122.1060, 36.5470, -29.0930

# Conversions

## Conversions Part 2

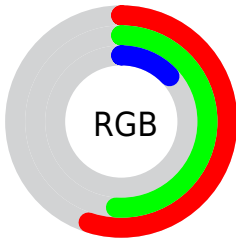
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 139, 32
Decimal	9143072
CIE Lab	53.84, -8.56, 50.88
CIE LCh	54, 51.594, 99.553
Yxy	21.8259, 0.4188, 0.4805
Android (android.graphics.Color)	4287333152 (0xFF8B8320)
YUV	122.1060, -44.4223, 14.8160
Hunter-Lab	46.7181, -9.0683, 26.8945

# Details

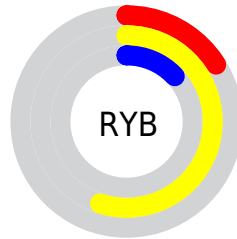
The Hex color **8B8320** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **20288B**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **C3B855**, and **555200** is the 20% darker color. If you saturate the color by 10%, you get **8B8212**, and if you desaturate by 10%, it is **8B842E**.

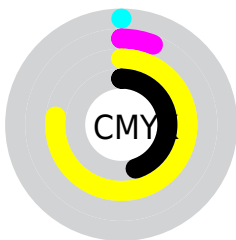
# Distribution



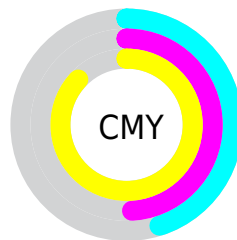
- Red (55%)
- Green (51%)
- Blue (13%)



- Red (16%)
- Yellow (55%)
- Blue (13%)



- Cyan (0%)
- Magenta (6%)
- Yellow (77%)
- Black (45%)



- Cyan (45%)
- Magenta (49%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8B8320 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 8B8320 by changing the saturation by 10% instead.



 8B8320

 8B8320

FFFFFF

 706A00

 C3B855

 555200

 E0D36F

 3C3B00

 FEF089

 232600

 FFFFA5

 001200

 FFFFC0

 000000

 FFFFDD

 FFFFFA

 8B8320

 8B8320

■ 8B8212

■ 8B842E

■ 8B8104

■ 8B853C

■ 8B8100

■ 8B864A

■ 8B8758

■ 8B8866

■ 8B8973

■ 8B8A81

■ 8B8B8F

■ 8B8C9D

# Harmonies

## Analogous

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



B1732A



8B8320



5B8E38

# Triad

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



8B8320



0095B8



C15DA1

# Complementary

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



8B8320



20288B

# 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.



956FC6



8B8320



008ED4

# Square

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



8B8320



00968E



4281D9



D25774

# Rectangle

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



8B8320



2B9351



4281D9



B662AE



# Sweetspot

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



8B8320



B5B28B



8B2029



5C5A42



DBDBDB



5C5C5C



# Same Dimension

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



8B8320



B5A90E



5E8B20



45443E



857B00



050500



# Inverse Universe

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



20288B



0E1BB5



4D208B



3E3E45



000A85



000005



# Previews

## White Background



This preview shows how the Hex color 8B8320 looks on a white background.

## Color Contrast Check

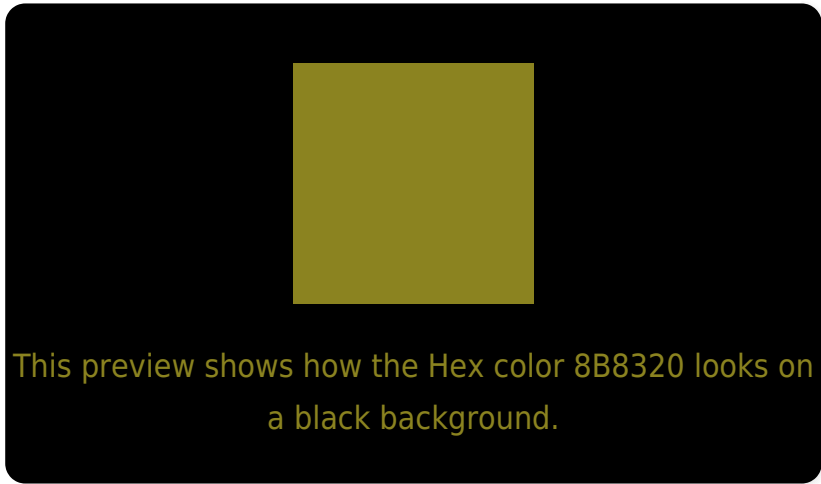
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 8B8320 Background



This preview shows how black text looks on a background with the Hex color 8B8320.



This preview shows how white text looks on a background with the Hex color 8B8320.

# 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**  
8B8320

**Protanopia**  
91811F

**Deuteranopia**  
A27A24



**Tritanopia**  
937A84

# Trichromacy



**Original Color**  
8B8320

**Protanomaly**  
8F821F

**Deuteranomaly**  
9A7D23

**Tritanomaly**  
907D60

# Monochromacy



**Original Color**  
8B8320

**Achromatopsia**  
7A7A7A

**Achromatomaly**  
807D59

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8B8320 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 #8B8320 looks like.

```
.text, #text, p{  
    color:#8B8320  
}
```

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 #8B8320 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8B8320
}
```

## Border

The CSS property to change the border of an element to Hex 8B8320 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
#8B8320 }
```

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

```
.border{ border-color:#8B8320 }
```

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

Here you see how a box with a 4 pixel #8B8320 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8B8320; -webkit-box-shadow:4px 4px  
4px 4px #8B8320; box-shadow:4px 4px 4px  
4px #8B8320 }
```

# Background

The CSS property to change the background color of an element to Hex 8B8320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8B8320 }
```

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

```
.background{ background-color:#8B8320 }
```

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