

Converting Colors

Hex(33002B)

Have a look what the booklet for
Hex(33002B) contains.

Hex(33002B)	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(33002B)

Conversions

Conversions Part 1

Format	Color
Hex	33002B
RGB	51, 0, 43
RGB Percent	20%, 0%, 17%
CMY	0.8000, 1.0000, 0.8314
CMYK	0.00, 1.00, 0.16, 0.80
HSL	309°, 100%, 10%
HSV	309°, 100%, 20%
XYZ	1.8013, 0.8782, 2.3601
YIQ	20.1510, 16.5930, 24.1850

Conversions

Conversions Part 2

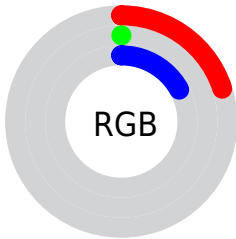
Format	Color
R_{YB}	51, 0, 43
Decimal	3342379
CIE Lab	7.93, 30.15, -14.50
CIE LCh	8, 33.453, 334.314
Yxy	0.8782, 0.3574, 0.1743
Android (android.graphics.Color)	4281532459 (0xFF33002B)
YUV	20.1510, 11.2646, 27.0546
Hunter-Lab	9.3714, 17.9099, -8.3716

Details

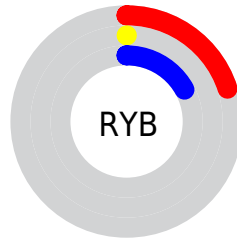
The Hex color **33002B** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **003308**, and the grayscale version is **141414**.

A 20% lighter version of the original color is **642F59**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **33002B**, and if you desaturate by 10%, it is **33052C**.

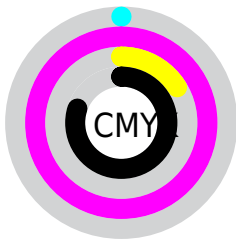
Distribution



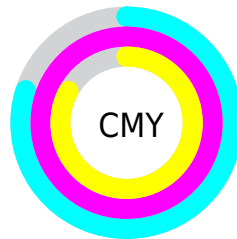
- Red (20%)
- Green (0%)
- Blue (17%)



- Red (20%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (80%)



- Cyan (80%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33002B 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 33002B by changing the saturation by 10% instead.

 33002B

 33002B

 FFE5FF

 1E0017

 642F59

 000000

 7E4671

 985F8B

 B478A5

 CF93C0

 ECADDC

 FFC9F9

 33002B

■ 33052C

■ 330A2D

■ 330F2D

■ 33142E

■ 331A2F

■ 331F30

■ 332431

■ 332931

■ 332E32

Harmonies

Analogous

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



180F3D



33002B



3C0015

Triad

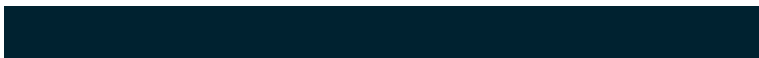
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33002B



1C1800



002230

Complementary

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



33002B



003308

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.



00231A



33002B



001E00

Square

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



33002B



2D0E00



002100



001F40

Rectangle

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



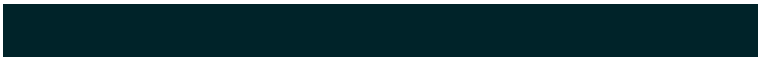
33002B



3C0000



002100



002329

Sweetspot

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



33002B



422E3F



080033



21151F



A1A1A1



212121

Same Dimension

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



33002B



420038



330012



1A1719



59004B



D900B7

Inverse Universe

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



33002B



420038



003321



1A1719



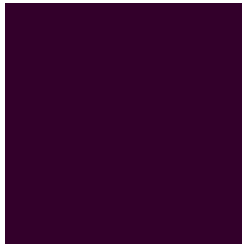
59004B



D900B7

Previews

White Background



This preview shows how the Hex color 33002B looks on a white background.

Color Contrast Check

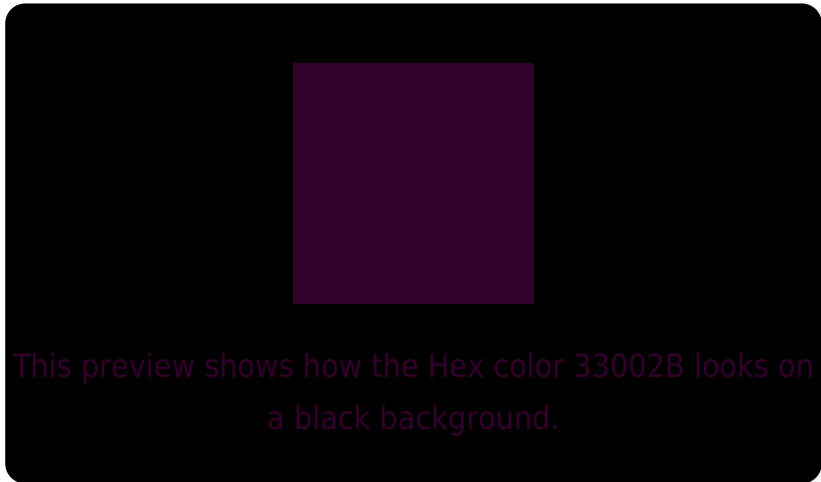
Large Text (above 18pt) WCAG AA ✓ Pass

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

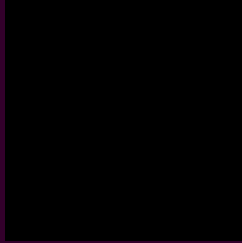
Any Text WCAG AA × Fail

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 33002B Background



This preview shows how black text looks on a background with the Hex color 33002B.



This preview shows how white text looks on a background with the Hex color 33002B.

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
33002B

Protanopia
001B3A

Deuteranopia
181C28



Tritanopia
311112

Trichromacy



Original Color
33002B

Protanomaly
131135

Deuteranomaly
221229

Tritanomaly
320B1B

Monochromacy



Original Color
33002B

Achromatopsia
141414

Achromatomaly
1F0D1C

CSS Examples

Text

The CSS property to change the color of the text to Hex 33002B 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 #33002B looks like.

```
.text, #text, p{  
    color:#33002B  
}
```

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 #33002B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33002B
}
```

Border

The CSS property to change the border of an element to Hex 33002B is called "border". The border property can be set on classes, ids or directly on the HTML element.

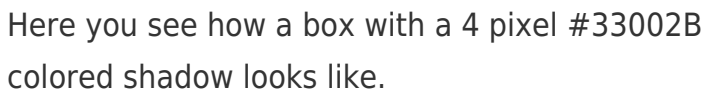
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33002B }
```

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

```
.border{ border-color:#33002B }
```

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



Here you see how a box with a 4 pixel #33002B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33002B; -webkit-box-shadow:4px 4px  
4px 4px #33002B; box-shadow:4px 4px 4px  
4px #33002B }
```

Background

The CSS property to change the background color of an element to Hex 33002B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33002B }
```

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

```
.background{ background-color:#33002B }
```

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