

Converting Colors

Hex(332233)

Have a look what the booklet for
Hex(332233) contains.

Hex(332233)	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(332233)

Conversions

Conversions Part 1

Format	Color
Hex	332233
RGB	51, 34, 51
RGB Percent	20%, 13%, 20%
CMY	0.8000, 0.8667, 0.8000
CMYK	0.00, 0.33, 0.00, 0.80
HSL	300°, 20%, 17%
HSV	300°, 33%, 20%
XYZ	2.5348, 2.0869, 3.4012
YIQ	41.0210, 4.6750, 8.8910

Conversions

Conversions Part 2

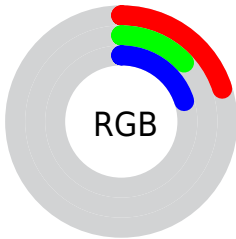
Format	Color
R_{YB}	51, 34, 51
Decimal	3351091
CIE _{Lab}	15.94, 11.73, -7.92
CIE _{LCh}	16, 14.153, 325.951
Yxy	2.0869, 0.3159, 0.2601
Android (android.graphics.Color)	4281541171 (0xFF332233)
YUV	41.0210, 4.9196, 8.7516
Hunter-Lab	14.4460, 6.0404, -3.8470

Details

The Hex color **332233** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **223322**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **624F61**, and **000002** is the 20% darker color. If you saturate the color by 10%, you get **331D33**, and if you desaturate by 10%, it is **332733**.

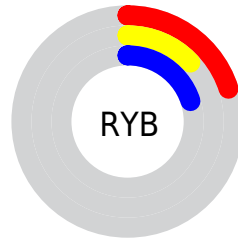
Distribution



Red (20%)

Green (13%)

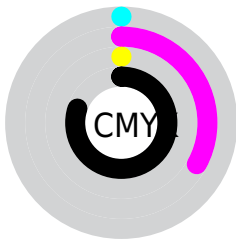
Blue (20%)



Red (20%)

Yellow (13%)

Blue (20%)

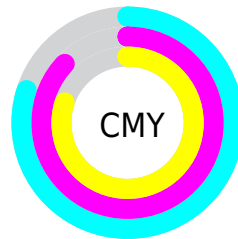


Cyan (0%)

Magenta (33%)

Yellow (0%)

Black (80%)



Cyan (80%)

Magenta (87%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 332233 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 332233 by changing the saturation by 10% instead.

■ 332233

■ 332233

FFFFFF

■ 1E0D1E

■ 624F61

■ 000002

■ 7B677A

■ 000000

■ 958094

■ AF9AAF

■ CBB5CA

■ E7D0E6

■ FFECFF

■ 332233

■ 332233

■ 331D33

■ 332733

■ 331833

■ 332C33

■ 331333

■ 333133

■ 330E33

■ 333633

■ 330833

■ 333B33

■ 330333

■ 334133

■ 330033

■ 334633

■ 334B33

■ 335033

Harmonies

Analogous

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



27263A



332233



3A2029

Triad

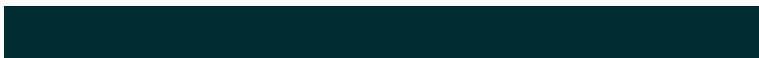
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



332233



2F2713



012D30

Complementary

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



332233



223322

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.



0C2D26



332233



252A15

Square

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



332233



372317



1A2C1C



052C38

Rectangle

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



332233



3B2023



1A2C1C



032D2D

Sweetspot

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



332233



423C42



222233



211D21



A1A1A1



212121

Same Dimension

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



332233



422842



33222B



1A171A



590059



D900D9

Inverse Universe

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



332233



422842



22332B



1A171A



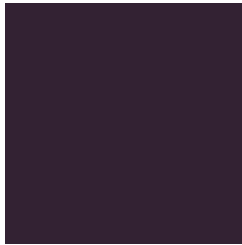
590059



D900D9

Previews

White Background



This preview shows how the Hex color 332233 looks on a white background.

Color Contrast Check

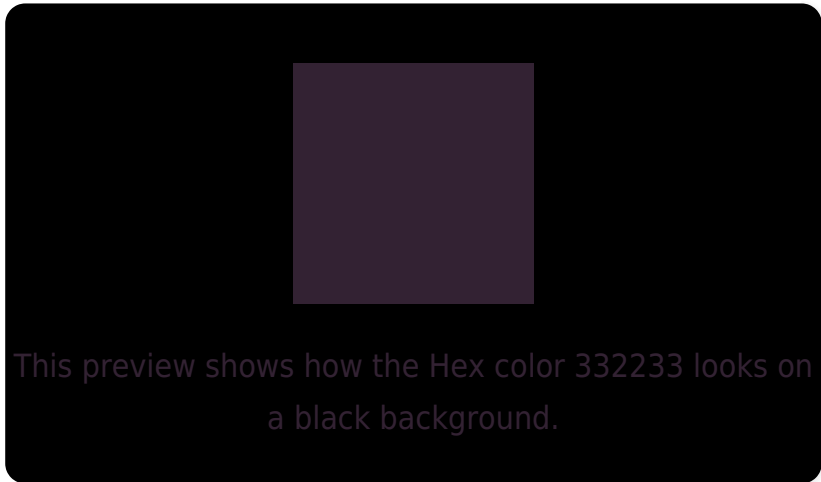
Large Text (above 18pt) WCAG AA ✓ Pass

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

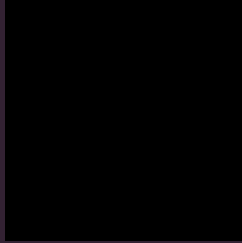
Any Text WCAG AA × Fail

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 332233 Background



This preview shows how black text looks on a background with the Hex color 332233.



This preview shows how white text looks on a background with the Hex color 332233.

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

332233

Protanopia

232737

Deuteranopia

272732



Tritanopia
312427

Trichromacy



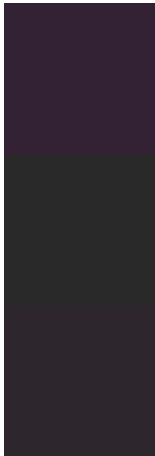
Original Color
332233

Protanomaly
292536

Deuteranomaly
2B2532

Tritanomaly
32232B

Monochromacy



Original Color
332233

Achromatopsia
292929

Achromatomaly
2D262D

CSS Examples

Text

The CSS property to change the color of the text to Hex 332233 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 #332233 looks like.

```
.text, #text, p{  
    color:#332233  
}
```

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 #332233 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #332233
}
```

Border

The CSS property to change the border of an element to Hex 332233 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
#332233 }
```

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

```
.border{ border-color:#332233 }
```

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

Here you see how a box with a 4 pixel #332233 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #332233; -webkit-box-shadow:4px 4px  
4px 4px #332233; box-shadow:4px 4px 4px  
4px #332233 }
```

Background

The CSS property to change the background color of an element to Hex 332233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#332233 }
```

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

```
.background{ background-color:#332233 }
```

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