

# Converting Colors

Hex(332048)

Have a look what the booklet for  
Hex(332048) contains.

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# Color

**Hex(332048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	332048
RGB	51, 32, 72
RGB Percent	20%, 13%, 28%
CMY	0.8000, 0.8745, 0.7176
CMYK	0.29, 0.56, 0.00, 0.72
HSL	268°, 38%, 20%
HSV	268°, 56%, 28%
XYZ	3.0515, 2.2047, 6.3956
YIQ	42.2410, -1.5160, 16.4680

# Conversions

## Conversions Part 2

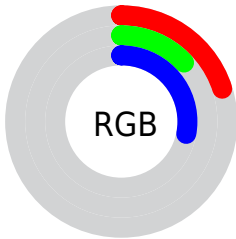
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 32, 72
Decimal	3350600
CIE <sub>Lab</sub>	16.53, 18.71, -21.66
CIE <sub>LCh</sub>	17, 28.626, 310.817
Yxy	2.2047, 0.2619, 0.1892
Android (android.graphics.Color)	4281540680 (0xFF332048)
YUV	42.2410, 14.6712, 7.6816
Hunter-Lab	14.8483, 10.6989, -15.1443

# Details

The Hex color **332048** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **354820**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **634D79**, and **00001C** is the 20% darker color. If you saturate the color by 10%, you get **2F1948**, and if you desaturate by 10%, it is **372748**.

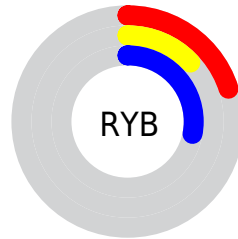
# Distribution



 Red (20%)

 Green (13%)

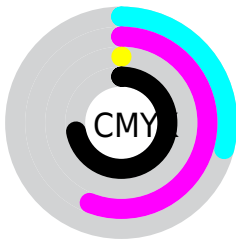
 Blue (28%)



 Red (20%)

 Yellow (13%)

 Blue (28%)

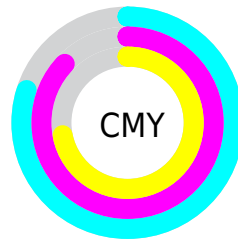


 Cyan (29%)

 Magenta (56%)

 Yellow (0%)

 Black (72%)



 Cyan (80%)

 Magenta (87%)

 Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 332048 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 332048 by changing the saturation by 10% instead.



■ 332048

■ 332048

FFFFFF

■ 1D0B31

■ 634D79

■ 00001C

■ 7C6593

■ 000000

■ 967EAD

■ B198C9

■ CDB3E5

■ E9CEFF

■ FFEBFF

■ 332048

■ 332048

■ 2F1948

■ 372748

■ 2B1248

■ 3B2E48

■ 280A48

■ 3E3648

■ 240348

■ 423D48

■ 220048

■ 464448

■ 4A4B48

■ 4D5248

■ 515A48

■ 556148

# Harmonies

## Analogous

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



052951



332048



471737

# Triad

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



332048



3E2300



003230

# Complementary

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



332048



354820

# 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.



00311B



332048



2D2A00

# Square

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



332048



491A0E



162F04



003243

# Rectangle

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



332048



4C1429



162F04



003229



# Sweetspot

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



332048



564E5E



203548



2B2730



B0B0B0



303030



# Same Dimension

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



332048



3D1F5E



472048



222024



2F0063



6C00E3



# Inverse Universe

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



482035



5E1F40



214820



242022



630034



E30077



# Previews

## White Background



This preview shows how the Hex color 332048 looks on a white background.

## Color Contrast Check

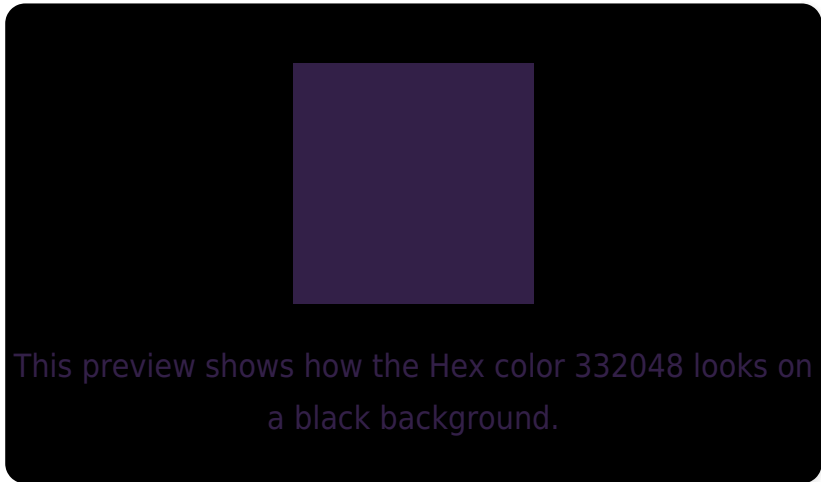
Large Text (above 18pt) WCAG AA ✓ Pass

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

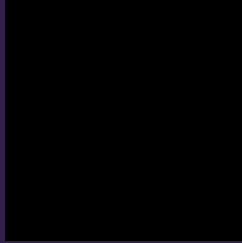
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 332048 Background



This preview shows how black text looks on a background with the Hex color 332048.



This preview shows how white text looks on a background with the Hex color 332048.

# 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**  
332048

**Protanopia**  
122850

**Deuteranopia**  
152A46



**Tritanopia**  
2E282B

# Trichromacy



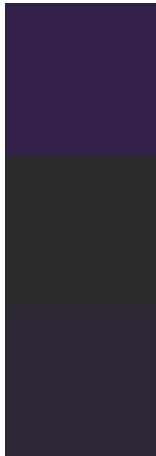
**Original Color**  
332048

**Protanomaly**  
1E254D

**Deuteranomaly**  
202647

**Tritanomaly**  
302536

# Monochromacy



**Original Color**  
332048

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
2D2635

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 332048 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 #332048 looks like.

```
.text, #text, p{  
    color:#332048  
}
```

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 #332048 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #332048
}
```

## Border

The CSS property to change the border of an element to Hex 332048 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
#332048 }
```

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

```
.border{ border-color:#332048 }
```

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

Here you see how a box with a 4 pixel #332048 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #332048; -webkit-box-shadow:4px 4px  
4px 4px #332048; box-shadow:4px 4px 4px  
4px #332048 }
```

# Background

The CSS property to change the background color of an element to Hex 332048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#332048 }
```

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

```
.background{ background-color:#332048 }
```

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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