

# Converting Colors

Hex(32233F)

Have a look what the booklet for  
Hex(32233F) contains.

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# Color

Hex(32233F)

# Conversions

## Conversions Part 1

Format	Color
Hex	32233F
RGB	50, 35, 63
RGB Percent	20%, 14%, 25%
CMY	0.8039, 0.8627, 0.7529
CMYK	0.21, 0.44, 0.00, 0.75
HSL	272°, 29%, 19%
HSV	272°, 44%, 25%
XYZ	2.8136, 2.2391, 4.9865
YIQ	42.6770, -0.0480, 11.8880

# Conversions

## Conversions Part 2

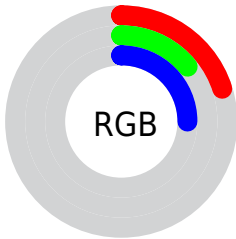
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	50, 35, 63
Decimal	3285823
CIE <sub>Lab</sub>	16.69, 13.75, -15.18
CIE <sub>LCh</sub>	17, 20.483, 312.153
Yxy	2.2391, 0.2803, 0.2230
Android (android.graphics.Color)	4281475903 (0xFF32233F)
YUV	42.6770, 10.0192, 6.4223
Hunter-Lab	14.9635, 7.3778, -9.2837

# Details

The Hex color **32233F** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **303F23**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **61506F**, and **000114** is the 20% darker color. If you saturate the color by 10%, you get **2F1D3F**, and if you desaturate by 10%, it is **35293F**.

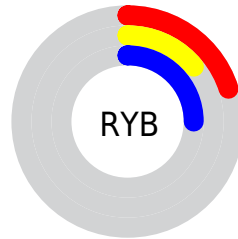
# Distribution



 Red (20%)

 Green (14%)

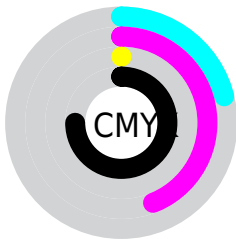
 Blue (25%)



 Red (20%)

 Yellow (14%)

 Blue (25%)

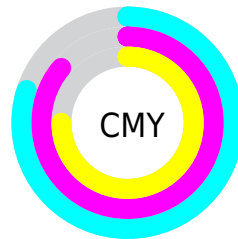


 Cyan (21%)


 Magenta (44%)

 Yellow (0%)

 Black (75%)



 Cyan (80%)

 Magenta (86%)

 Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 32233F 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 32233F by changing the saturation by 10% instead.





32233F



32233F

FFFFFF



1D0E29



61506F



000114



7A6888



000000



9481A3



AF9BBE



CAB6D9



E6D2F6



FFEEFF



32233F



32233F

■ 2F1D3F

■ 35293F

■ 2C163F

■ 38303F

■ 29103F

■ 3B363F

■ 260A3F

■ 3E3C3F

■ 23043F

■ 41433F

■ 22003F

■ 44493F

■ 464F3F

■ 49553F

■ 4C5C3F

# Harmonies

## Analogous

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



1B2946



32233F



401E33

# Triad

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



32233F



39250C



00312F

# Complementary

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



32233F



303F23

# 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.



043020



32233F



2C2A0A

# Square

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



32233F



422016



1C2E13



00303C

# Rectangle

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



32233F



441D29



1C2E13



00312A



# Sweetspot

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



32233F



4D4752



23303F



262229



A8A8A8



292929



# Same Dimension

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



32233F



3E2652



3F233E



1D1C1F



33005E



7700DE



# Inverse Universe

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



3F2330



52263A



233F24



1F1C1D



5E002C



DE0067



# Previews

## White Background



This preview shows how the Hex color 32233F looks on a white background.

## Color Contrast Check

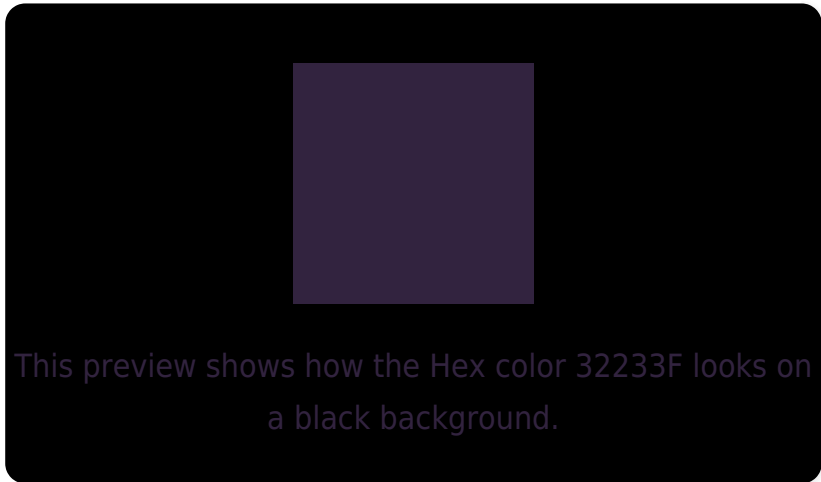
Large Text (above 18pt) WCAG AA ✓ Pass

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

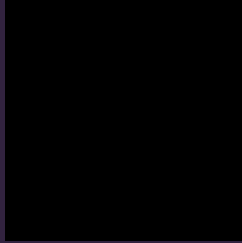
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 32233F Background



This preview shows how black text looks on a background with the Hex color 32233F.



This preview shows how white text looks on a background with the Hex color 32233F.

# 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**  
32233F

**Protanopia**  
1F2944

**Deuteranopia**  
21293E



**Tritanopia**  
2F282B

# Trichromacy



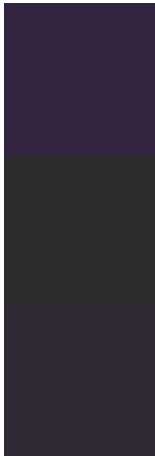
**Original Color**  
32233F

**Protanomaly**  
262742

**Deuteranomaly**  
27273E

**Tritanomaly**  
302632

# Monochromacy



**Original Color**  
32233F

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
2E2832

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 32233F 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 #32233F looks like.

```
.text, #text, p{  
    color:#32233F  
}
```

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 #32233F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #32233F
}
```

## Border

The CSS property to change the border of an element to Hex 32233F is called "border". The border property can be set on classes, ids or directly on the HTML element.

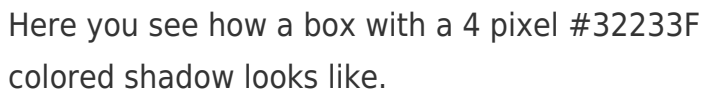
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#32233F }
```

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

```
.border{ border-color:#32233F }
```

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



Here you see how a box with a 4 pixel #32233F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #32233F; -webkit-box-shadow:4px 4px  
4px 4px #32233F; box-shadow:4px 4px 4px  
4px #32233F }
```

# Background

The CSS property to change the background color of an element to Hex 32233F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#32233F }
```

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

```
.background{ background-color:#32233F }
```

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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