

# Converting Colors

Hex(32196E)

Have a look what the booklet for  
Hex(32196E) contains.

<b>Hex(32196E)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(32196E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	32196E
RGB	50, 25, 110
RGB Percent	20%, 10%, 43%
CMY	0.8039, 0.9020, 0.5686
CMYK	0.55, 0.77, 0.00, 0.57
HSL	258°, 63%, 26%
HSV	258°, 77%, 43%
XYZ	4.4775, 2.4992, 14.9982
YIQ	42.1650, -12.3850, 31.7350

# Conversions

## Conversions Part 2

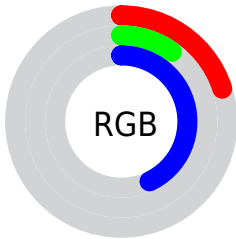
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 25, 110
Decimal	3283310
CIELab	17.91, 34.40, -44.82
CIElCh	18, 56.493, 307.505
Yxy	2.4992, 0.2038, 0.1137
Android (android.graphics.Color)	4281473390 (0xFF32196E)
YUV	42.1650, 33.4427, 6.8713
Hunter-Lab	15.8087, 22.8911, -45.1842

# Details

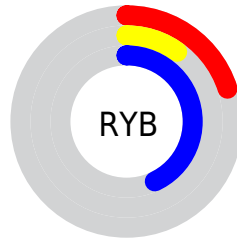
The Hex color **32196E** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **556E19**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **6747A2**, and **00003D** is the 20% darker color. If you saturate the color by 10%, you get **2A0E6E**, and if you desaturate by 10%, it is **3A246E**.

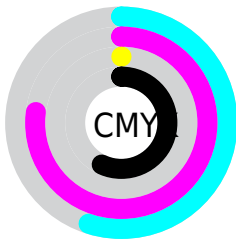
# Distribution



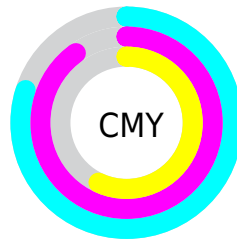
- Red (20%)
- Green (10%)
- Blue (43%)



- Red (20%)
- Yellow (10%)
- Blue (43%)



- Cyan (55%)
- Magenta (77%)
- Yellow (0%)
- Black (57%)



- Cyan (80%)
- Magenta (90%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 32196E 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 32196E by changing the saturation by 10% instead.





32196E



32196E

FFFFFF



150355



6747A2



00003D



825FBE



000326



9D79DA



000110



B993F7



000000



D6AEFF



F3C9FF



FFE5FF



32196E



32196E

■ 2A0E6E

■ 3A246E

■ 22036E

■ 422F6E

■ 20006E

■ 493A6E

■ 51456E

■ 59506E

■ 615B6E

■ 68666E

■ 70716E

■ 787C6E

# Harmonies

## Analogous

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



002F7F



32196E



61004C

# Triad

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



32196E



4F1D00



003B36

# Complementary

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



32196E



556E19

# 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.



003907



32196E



2E2E00

# Square

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



32196E



660000



003600



003B5D

# Rectangle

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



32196E



6C0031



003600



003A27



# Sweetspot

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



32196E



786E8F



19566E



393347



C7C7C7



474747



# Same Dimension

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



32196E



310A8F



5C196E



343238



230078



4900F7



# Inverse Universe

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



6E1955



8F0A68



2B6E19



383236



780055

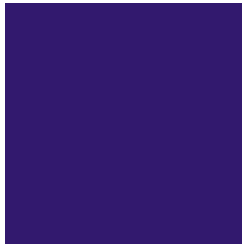


F700AF



# Previews

## White Background



This preview shows how the Hex color 32196E looks on a white background.

## Color Contrast Check

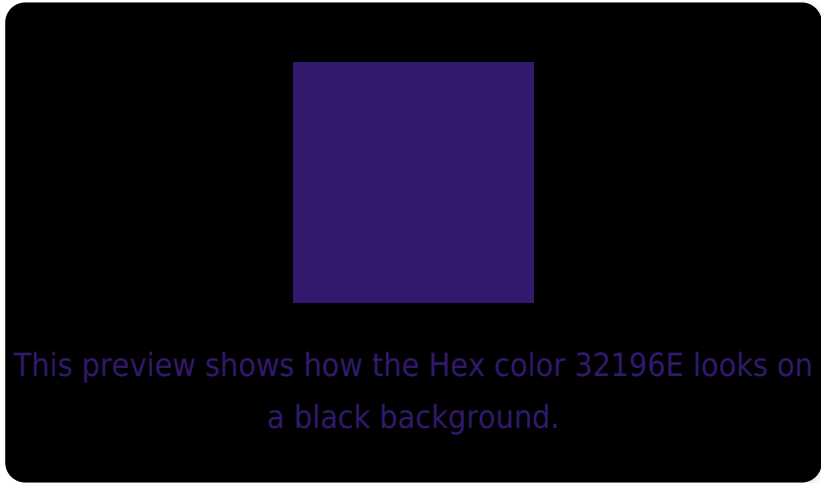
Large Text (above 18pt) WCAG AA ✓ Pass

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

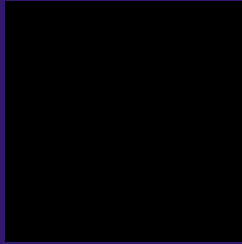
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 32196E Background



This preview shows how black text looks on a background with the Hex color 32196E.



This preview shows how white text looks on a background with the Hex color 32196E.

# 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](#).

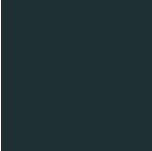
## Dichromacy



**Original Color**  
32196E

**Protanopia**  
002B5B

**Deuteranopia**  
002E4E



**Tritanopia**  
1E3033

# Trichromacy



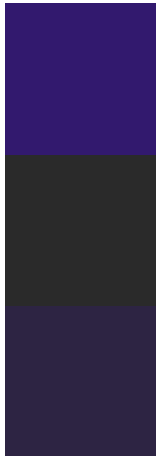
**Original Color**  
32196E

**Protanomaly**  
122462

**Deuteranomaly**  
12265A

**Tritanomaly**  
252848

# Monochromacy



**Original Color**  
32196E

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
2D2443

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 32196E 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 #32196E looks like.

```
.text, #text, p{  
    color:#32196E  
}
```

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 #32196E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #32196E
}
```

## Border

The CSS property to change the border of an element to Hex 32196E is called "border". The border property can be set on classes, ids or directly on the HTML element.

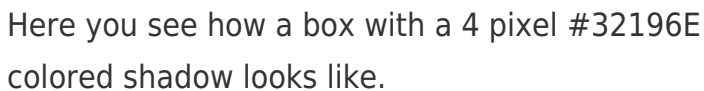
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#32196E }
```

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

```
.border{ border-color:#32196E }
```

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



Here you see how a box with a 4 pixel #32196E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #32196E; -webkit-box-shadow:4px 4px  
4px 4px #32196E; box-shadow:4px 4px 4px  
4px #32196E }
```

# Background

The CSS property to change the background color of an element to Hex 32196E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#32196E }
```

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

```
.background{ background-color:#32196E }
```

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