

# Converting Colors

Hex(53316B)

Have a look what the booklet for  
Hex(53316B) contains.

<b>Hex(53316B)</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(53316B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	53316B
RGB	83, 49, 107
RGB Percent	33%, 19%, 42%
CMY	0.6745, 0.8078, 0.5804
CMYK	0.22, 0.54, 0.00, 0.58
HSL	275°, 37%, 31%
HSV	275°, 54%, 42%
XYZ	7.3194, 5.0972, 14.5080
YIQ	65.7780, 1.6460, 25.2460

# Conversions

## Conversions Part 2

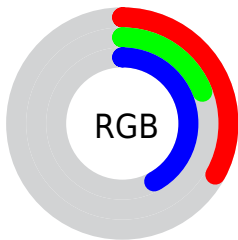
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 49, 107
Decimal	5452139
CIE <sub>Lab</sub>	27.01, 27.34, -28.00
CIE <sub>LCh</sub>	27, 39.130, 314.317
Yxy	5.0972, 0.2718, 0.1893
Android (android.graphics.Color)	4283642219 (0xFF53316B)
YUV	65.7780, 20.3224, 15.1037
Hunter-Lab	22.5769, 18.3602, -22.2961

# Details

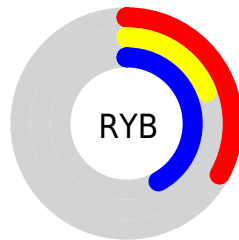
The Hex color **53316B** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **496B31**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **86609F**, and **23053B** is the 20% darker color. If you saturate the color by 10%, you get **4F266B**, and if you desaturate by 10%, it is **573C6B**.

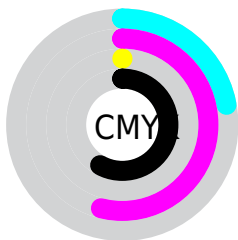
# Distribution



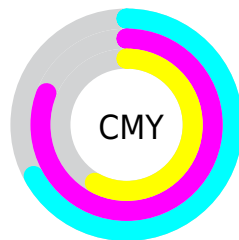
- Red (33%)
- Green (19%)
- Blue (42%)



- Red (33%)
- Yellow (19%)
- Blue (42%)



- Cyan (22%)
- Magenta (54%)
- Yellow (0%)
- Black (58%)



- Cyan (67%)
- Magenta (81%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 53316B 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 53316B by changing the saturation by 10% instead.





53316B



53316B

FFFFFF



3B1B53



86609F



23053B



A17ABA



090025



BC94D6



00010D



D8AFF2



000000



F5CAFF



FFE6FF



53316B



53316B



4F266B



573C6B

■ 4A1C6B

■ 5C466B

■ 46116B

■ 60516B

■ 41066B

■ 655C6B

■ 3F006B

■ 69676B

■ 6E716B

■ 727C6B

■ 76876B

■ 7B916B

# Harmonies

## Analogous

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



183E7A



53316B



6D2451

# Triad

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



53316B



5B3900



004E4E

# Complementary

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



53316B



496B31

# 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.



004D2F



53316B



414300

# Square

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



53316B



6D2B17



1D4911



004C69

# Rectangle

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



53316B



74203D



1D4911



004D43



# Sweetspot

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



53316B



83768C



31496B



423A47



C7C7C7



474747



# Same Dimension

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



53316B



67318C



6B3166



333036



450075



9000F5



# Inverse Universe

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



6B3149



8C3157



316B36



363032



750031



F50065



# Previews

## White Background



This preview shows how the Hex color 53316B looks on a white background.

## Color Contrast Check

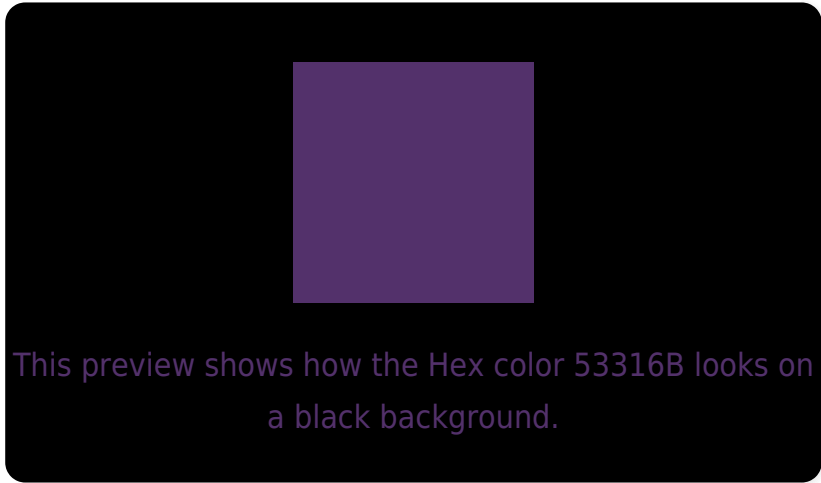
Large Text (above 18pt) WCAG AA ✓ Pass

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

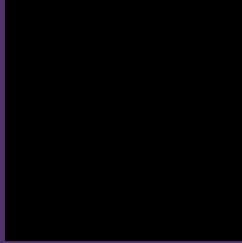
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 53316B Background



This preview shows how black text looks on a background with the Hex color 53316B.

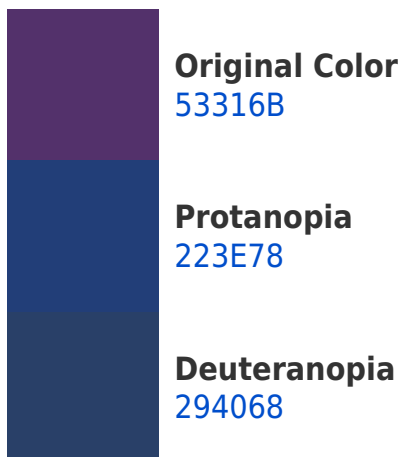


This preview shows how white text looks on a background with the Hex color 53316B.

# 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





**Tritanopia**  
4C3C41

# Trichromacy



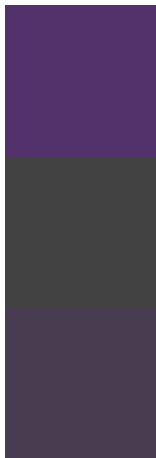
**Original Color**  
53316B

**Protanomaly**  
343973

**Deuteranomaly**  
383B69

**Tritanomaly**  
4F3850

# Monochromacy



**Original Color**  
53316B

**Achromatopsia**  
424242

**Achromatomaly**  
483C51

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 53316B 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 #53316B looks like.

```
.text, #text, p{  
    color:#53316B  
}
```

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 #53316B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #53316B
}
```

## Border

The CSS property to change the border of an element to Hex 53316B 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
#53316B }
```

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

```
.border{ border-color:#53316B }
```

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

Here you see how a box with a 4 pixel #53316B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #53316B; -webkit-box-shadow:4px 4px  
4px 4px #53316B; box-shadow:4px 4px 4px  
4px #53316B }
```

# Background

The CSS property to change the background color of an element to Hex 53316B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#53316B }
```

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

```
.background{ background-color:#53316B }
```

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