

# Converting Colors

Hex(303EBA)

Have a look what the booklet for  
Hex(303EBA) contains.

|  |    |
|--|----|
| <b>Hex(303EBA)</b> .....                       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 11 |
| <b><i>Previews</i></b> .....                   | 23 |
| <b><i>Color Blindness Simulation</i></b> ..... | 26 |
| <b><i>CSS Examples</i></b> .....               | 29 |

# Color

**Hex(303EBA)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 303EBA                     |
| RGB         | 48, 62, 186                |
| RGB Percent | 19%, 24%, 73%              |
| CMY         | 0.8118, 0.7569, 0.2706     |
| CMYK        | 0.74, 0.67, 0.00, 0.27     |
| HSL         | 234°, 59%, 46%             |
| HSV         | 234°, 74%, 73%             |
| XYZ         | 11.8045, 7.6188, 47.3028   |
| YIQ         | 71.9500, -48.1480, 35.5960 |

# Conversions

## Conversions Part 2

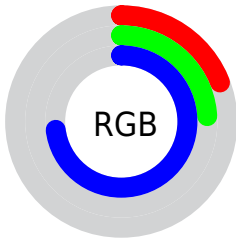
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 48, 61, 186                   |
| Decimal                             | 3161786                       |
| CIE Lab                             | 33.18, 37.50, -66.69          |
| CIE LCh                             | 33, 76.507, 299.348           |
| Yxy                                 | 7.6188, 0.1769,<br>0.1142     |
| Android<br>(android.graphics.Color) | 4281351866<br>(0xFF303EBA)    |
| YUV                                 | 71.9500, 56.2267,<br>-21.0041 |
| Hunter-Lab                          | 27.6022, 28.0344,<br>-82.2858 |

# Details

The Hex color **303EBA** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **BAAC30**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **726EF3**, and **001484** is the 20% darker color. If you saturate the color by 10%, you get **1D2DBA**, and if you desaturate by 10%, it is **434FBA**.

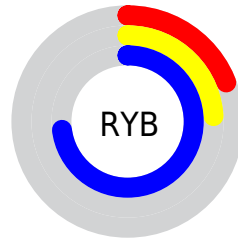
# Distribution



 Red (19%)

 Green (24%)

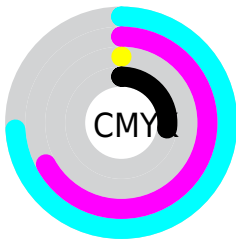
 Blue (73%)




 Red (19%)

 Yellow (24%)

 Blue (73%)

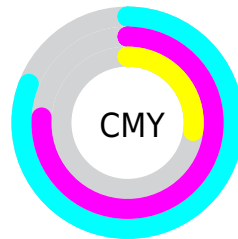


 Cyan (74%)

 Magenta (67%)

 Yellow (0%)

 Black (27%)



 Cyan (81%)

 Magenta (76%)

 Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 303EBA 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 303EBA by changing the saturation by 10% instead.



 303EBA

 303EBA

FFFFFF

 00289E

 726EF3

 001484

 9087FF

 00006A

 AEA2FF

 000450

 CCBDFF

 000538

 EAD9FF

 000222

 FFF5FF

 000008

 000000

 303EBA

 303EBA

■ 1D2DBA

■ 434FBA

■ 0B1DBA

■ 555FBA

■ 0013BA

■ 6870BA

■ 7A81BA

■ 8D92BA

■ A0A2BA

■ B2B3BA

■ C5C4BA

■ D7D4BA

# Harmonies

## Analogous

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



0058CA



303EBA



91008D

# Triad

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



303EBA



8E2D00



00644B

# Complementary

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



303EBA



BAAC30

# 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.



006100



303EBA



614C00

# Square

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



303EBA



AB0017



1F5B00



006589

# Rectangle

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



303EBA



AA0066



1F5B00



006336



# Sweetspot

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



303EBA



BDC2F2



30BAAA



5B5E7A



FAFAFA



7A7A7A



# Same Dimension

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



303EBA



1B31F2



6530BA



53545C



00109C



00031C



# Inverse Universe

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



BA303E



F21B31



85BA30



5C5354



9C0010

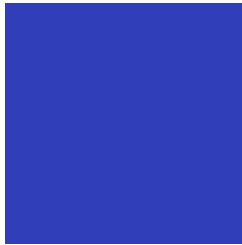


1C0003



# Previews

## White Background



This preview shows how the Hex color 303EBA looks on a white background.

## Color Contrast Check

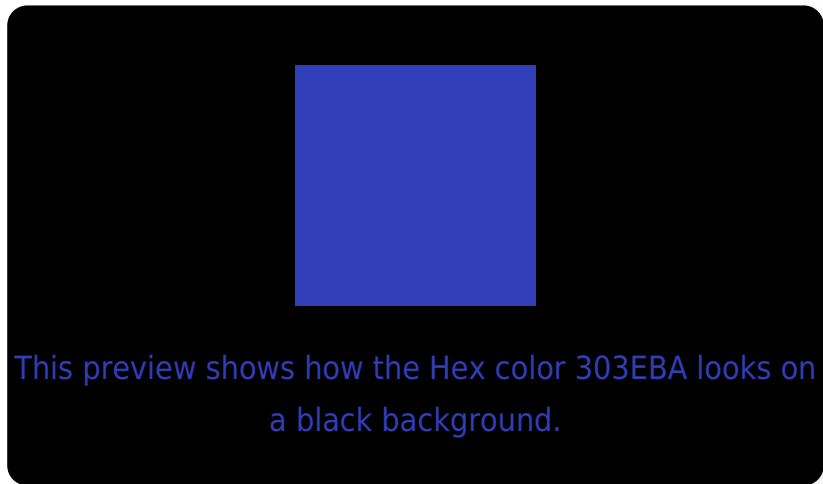
Large Text (above 18pt) WCAG AA ✓ Pass

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

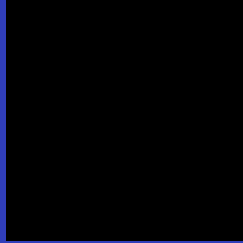
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 303EBA Background



This preview shows how black text looks on a background with the Hex color 303EBA.




This preview shows how white text looks on a background with the Hex color 303EBA.

# 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](#).

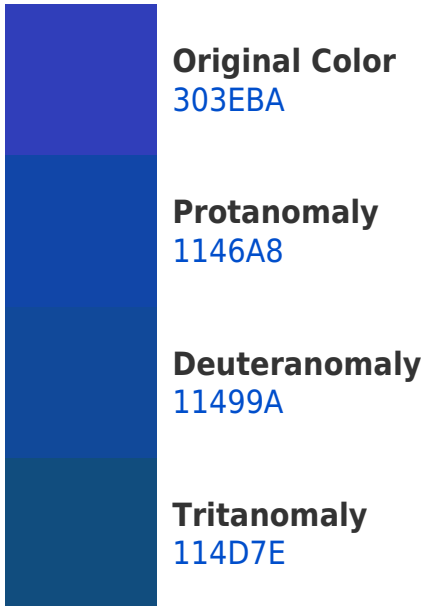
## Dichromacy





**Tritanopia**  
00565C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 303EBA 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 #303EBA looks like.

```
.text, #text, p{  
    color:#303EBA  
}
```

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 #303EBA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #303EBA
}
```

## Border

The CSS property to change the border of an element to Hex 303EBA 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
#303EBA }
```

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

```
.border{ border-color:#303EBA }
```

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

Here you see how a box with a 4 pixel #303EBA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #303EBA; -webkit-box-shadow:4px 4px  
4px 4px #303EBA; box-shadow:4px 4px 4px  
4px #303EBA }
```

# Background

The CSS property to change the background color of an element to Hex 303EBA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#303EBA }
```

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

```
.background{ background-color:#303EBA }
```

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