

Converting Colors

Hex(313ABD)

Have a look what the booklet for
Hex(313ABD) contains.

Hex(313ABD)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(313ABD)

Conversions

Conversions Part 1

Format	Color
Hex	313ABD
RGB	49, 58, 189
RGB Percent	19%, 23%, 74%
CMY	0.8078, 0.7725, 0.2588
CMYK	0.74, 0.69, 0.00, 0.26
HSL	236°, 59%, 47%
HSV	236°, 74%, 74%
XYZ	11.9650, 7.3532, 48.9328
YIQ	70.2430, -47.4150, 38.8330

Conversions

Conversions Part 2

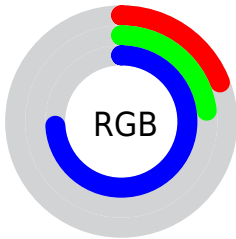
Format	Color
R_{YB}	49, 57, 189
Decimal	3226301
CIE _{Lab}	32.60, 41.12, -69.41
CIE _{LCh}	33, 80.669, 300.642
Yxy	7.3532, 0.1753, 0.1077
Android (android.graphics.Color)	4281416381 (0xFF313ABD)
YUV	70.2430, 58.5472, -18.6301
Hunter-Lab	27.1168, 31.3068, -88.0083

Details

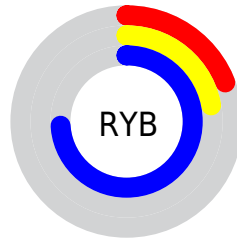
The Hex color **313ABD** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **BDB431**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **746AF6**, and **000F86** is the 20% darker color. If you saturate the color by 10%, you get **1E28BD**, and if you desaturate by 10%, it is **444CBD**.

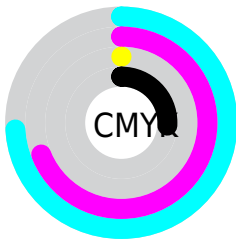
Distribution



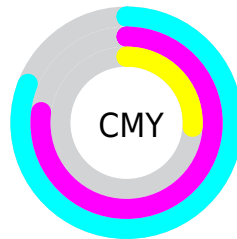
- Red (19%)
- Green (23%)
- Blue (74%)



- Red (19%)
- Yellow (22%)
- Blue (74%)



- Cyan (74%)
- Magenta (69%)
- Yellow (0%)
- Black (26%)



- Cyan (81%)
- Magenta (77%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Hex color 313ABD 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 313ABD by changing the saturation by 10% instead.

■ 313ABD

■ 313ABD

FFFFFF

■ 0024A1

■ 746AF6

■ 000F86

■ 9283FF

■ 00006C

■ B09EFF

■ 000453

■ CEB9FF

■ 00063B

■ EDD4FF

■ 000224

■ FFF1FF

■ 00000C

■ 000000

■ 313ABD

■ 313ABD

■ 1E28BD

■ 444CBD

■ 0B17BD

■ 575DBD

■ 000CBD

■ 6A6FBD

■ 7D81BD

■ 9092BD

■ A2A4BD

■ B5B6BD

■ C8C7BD

■ DBD9BD

Harmonies

Analogous

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



0057D0



313ABD



95008C

Triad

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



313ABD



8D2B00



00634D

Complementary

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



313ABD



BDB431

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



313ABD



5D4B00

Square

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



313ABD



AD0010



0E5A00



00648D

Rectangle

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



313ABD



AD0064



0E5A00



006336

Sweetspot

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



313ABD



BFC2F5



31BDB4



5B5D7A



FAFAFA



7A7A7A

Same Dimension

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



313ABD



1B29F5



6E31BD



55565E



000A9E



00021F

Inverse Universe

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



BD313A



F51B29



80BD31



5E5556



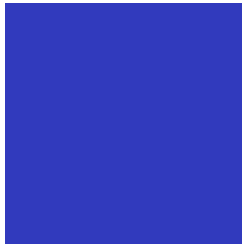
9E000A



1F0002

Previews

White Background



This preview shows how the Hex color 313ABD looks on a white background.

Color Contrast Check

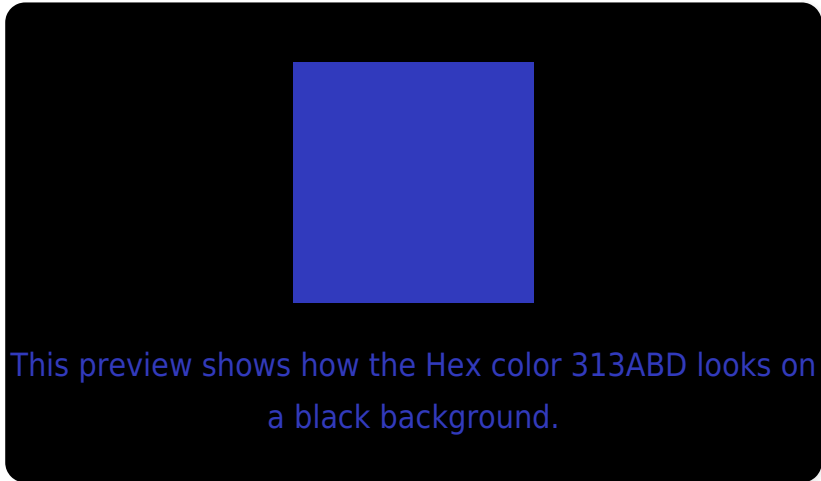
Large Text (above 18pt) WCAG AA ✓ Pass

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

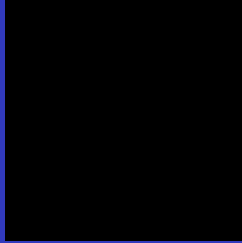
Any Text WCAG AA × Fail

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 313ABD Background



This preview shows how black text looks on a background with the Hex color 313ABD.

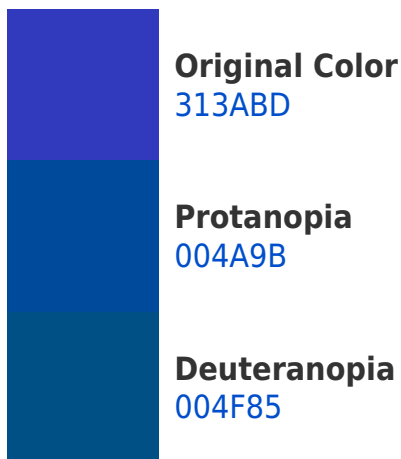


This preview shows how white text looks on a background with the Hex color 313ABD.

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
00555A

Trichromacy



Original Color
313ABD

Protanomaly
1244A7

Deuteranomaly
124799

Tritanomaly
124B7E

Monochromacy



Original Color
313ABD

Achromatopsia
464646

Achromatomaly
3E4271

CSS Examples

Text

The CSS property to change the color of the text to Hex 313ABD 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 #313ABD looks like.

```
.text, #text, p{  
    color:#313ABD  
}
```

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 #313ABD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #313ABD
}
```

Border

The CSS property to change the border of an element to Hex 313ABD 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
#313ABD }
```

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

```
.border{ border-color:#313ABD }
```

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

Here you see how a box with a 4 pixel #313ABD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #313ABD; -webkit-box-shadow:4px 4px  
4px 4px #313ABD; box-shadow:4px 4px 4px  
4px #313ABD }
```

Background

The CSS property to change the background color of an element to Hex 313ABD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#313ABD }
```

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

```
.background{ background-color:#313ABD }
```

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