

Converting Colors

Hex(2A1B77)

Have a look what the booklet for
Hex(2A1B77) contains.

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Color

Hex(2A1B77)

Conversions

Conversions Part 1

Format	Color
Hex	2A1B77
RGB	42, 27, 119
RGB Percent	16%, 11%, 47%
CMY	0.8353, 0.8941, 0.5333
CMYK	0.65, 0.77, 0.00, 0.53
HSL	250°, 63%, 29%
HSV	250°, 77%, 47%
XYZ	4.6766, 2.6080, 17.7097
YIQ	41.9730, -20.5920, 31.7920

Conversions

Conversions Part 2

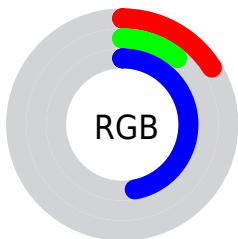
Format	Color
R_{YB}	42, 27, 119
Decimal	2759543
CIE _{Lab}	18.40, 34.94, -49.86
CIE _{LCh}	18, 60.885, 305.020
Yxy	2.6080, 0.1871, 0.1043
Android (android.graphics.Color)	4280949623 (0xFF2A1B77)
YUV	41.9730, 37.9743, 0.0237
Hunter-Lab	16.1494, 23.4289, -53.7140

Details

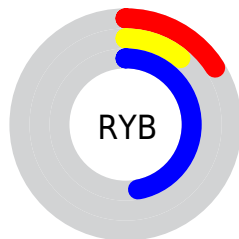
The Hex color **2A1B77** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **68771B**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **6249AC**, and **000045** is the 20% darker color. If you saturate the color by 10%, you get **200F77**, and if you desaturate by 10%, it is **342777**.

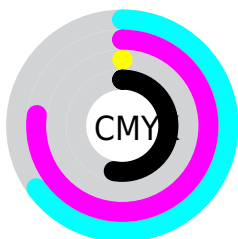
Distribution



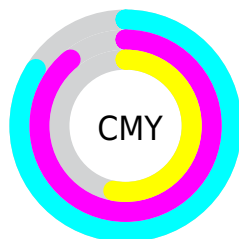
- Red (16%)
- Green (11%)
- Blue (47%)



- Red (16%)
- Yellow (11%)
- Blue (47%)



- Cyan (65%)
- Magenta (77%)
- Yellow (0%)
- Black (53%)



- Cyan (84%)
- Magenta (89%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A1B77 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 2A1B77 by changing the saturation by 10% instead.

■ 2A1B77

■ 2A1B77

FFFFFF

■ 02055E

■ 6249AC

■ 000045

■ 7D61C8

■ 00042E

■ 997AE4

■ 000118

■ B594FF

■ 000000

■ D2AFFF

■ EFCBFF

■ FFE7FF

■ 2A1B77

■ 2A1B77

■ 200F77

■ 342777

■ 160377

■ 3E3377

■ 130077

■ 483F77

■ 524B77

■ 5C5677

■ 666277

■ 706E77

■ 7A7A77

■ 848677

Harmonies

Analogous

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



003288



2A1B77



630053

Triad

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



2A1B77



541A00



003D34

Complementary

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



2A1B77



68771B

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.



003B00



2A1B77



322E00

Square

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



2A1B77



6D0000



003700



003D5F

Rectangle

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



2A1B77



710036



003700



003C24

Sweetspot

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



2A1B77



7E789C



1B6977



3D394F



CFCFCF



4F4F4F

Same Dimension

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



2A1B77



220B9C



571B77



36353B



14007A



2900FA

Inverse Universe

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



771B68



9C0B84



3B771B



3B353A



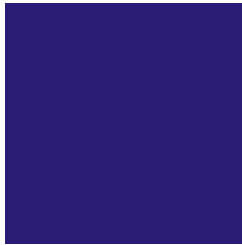
7A0066



FA00D1

Previews

White Background



This preview shows how the Hex color 2A1B77 looks on a white background.

Color Contrast Check

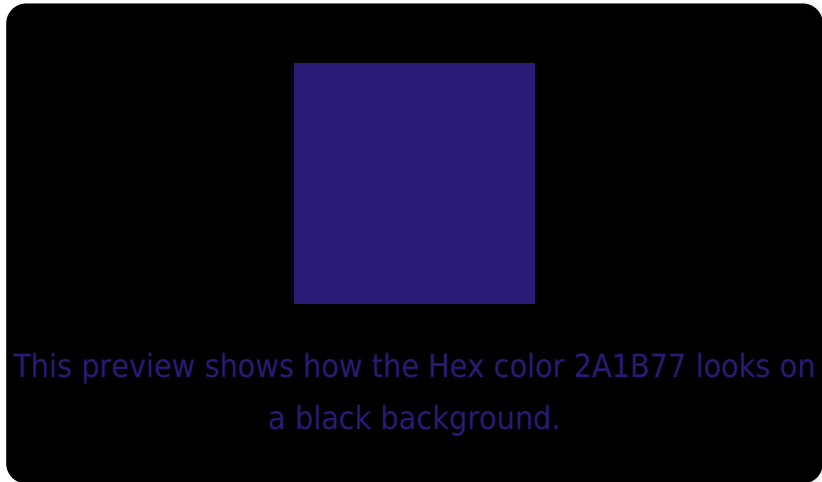
Large Text (above 18pt) WCAG AA ✓ Pass

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

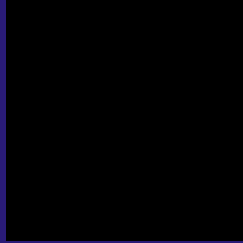
Any Text WCAG AA × Fail

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 2A1B77 Background



This preview shows how black text looks on a background with the Hex color 2A1B77.



This preview shows how white text looks on a background with the Hex color 2A1B77.

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
2A1B77

Protanopia
002C5D

Deuteranopia
002F4F



Tritanopia
003336

Trichromacy



Original Color
2A1B77

Protanomaly
0F2666

Deuteranomaly
0F285E

Tritanomaly
0F2A4E

Monochromacy



Original Color
2A1B77

Achromatopsia
2A2A2A

Achromatomaly
2A2546

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A1B77 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 #2A1B77 looks like.

```
.text, #text, p{  
    color:#2A1B77  
}
```

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 #2A1B77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A1B77  
}
```

Border

The CSS property to change the border of an element to Hex 2A1B77 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  
#2A1B77 }
```

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

```
.border{ border-color:#2A1B77 }
```

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

Here you see how a box with a 4 pixel #2A1B77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A1B77; -webkit-box-shadow:4px 4px  
4px 4px #2A1B77; box-shadow:4px 4px 4px  
4px #2A1B77 }
```

Background

The CSS property to change the background color of an element to Hex 2A1B77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A1B77 }
```

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

```
.background{ background-color:#2A1B77 }
```

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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