

Converting Colors

Hex(2A1B99)

Have a look what the booklet for
Hex(2A1B99) contains.

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Color

Hex(2A1B99)

Conversions

Conversions Part 1

Format	Color
Hex	2A1B99
RGB	42, 27, 153
RGB Percent	16%, 11%, 60%
CMY	0.8353, 0.8941, 0.4000
CMYK	0.73, 0.82, 0.00, 0.40
HSL	247°, 70%, 35%
HSV	247°, 82%, 60%
XYZ	7.0965, 3.5760, 30.4532
YIQ	45.8490, -31.5060, 42.3660

Conversions

Conversions Part 2

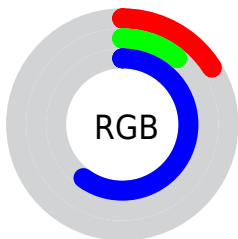
Format	Color
R_{YB}	42, 27, 153
Decimal	2759577
CIE Lab	22.22, 45.81, -64.90
CIE LCh	22, 79.443, 305.218
Yxy	3.5760, 0.1726, 0.0870
Android (android.graphics.Color)	4280949657 (0xFF2A1B99)
YUV	45.8490, 52.8254, -3.3756
Hunter-Lab	18.9104, 33.8931, -82.2433

Details

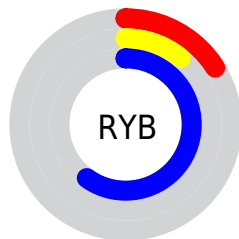
The Hex color **2A1B99** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **8A991B**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **6A4BD1**, and **000065** is the 20% darker color. If you saturate the color by 10%, you get **1D0C99**, and if you desaturate by 10%, it is **372A99**.

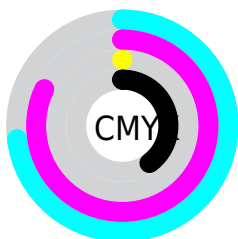
Distribution



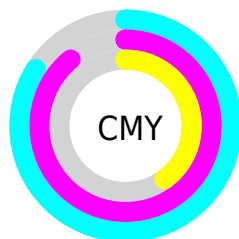
- Red (16%)
- Green (11%)
- Blue (60%)



- Red (16%)
- Yellow (11%)
- Blue (60%)



- Cyan (73%)
- Magenta (82%)
- Yellow (0%)
- Black (40%)



- Cyan (84%)
- Magenta (89%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A1B99 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 2A1B99 by changing the saturation by 10% instead.

■ 2A1B99

■ 2A1B99

FFFFFF

■ 00027E

■ 6A4BD1

■ 000065

■ 8764ED

■ 00004B

■ A47DFF

■ 000434

■ C198FF

■ 00021E

■ DFB3FF

■ 000000

■ FDCFFF

■ FFE8FF

■ 2A1B99

■ 2A1B99

■ 1D0C99

■ 372A99

■ 120099

■ 453A99

■ 524999

■ 605899

■ 6D6899

■ 7B7799

■ 888699

■ 969599

■ A3A599

Harmonies

Analogous

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



003DB0



2A1B99



7D0068

Triad

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



2A1B99



671900



00483F

Complementary

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



2A1B99



8A991B

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.



004600



2A1B99



393700

Square

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



2A1B99



870000



004200



004A7A

Rectangle

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



2A1B99



8F0042



004200



00482A

Sweetspot

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



2A1B99



9B95C7



1B8A99



494663



E3E3E3



636363

Same Dimension

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



2A1B99



1902C7



691B99



46454D



11008C



02000D

Inverse Universe

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



991B8A



C702AF



4B991B



4D454C



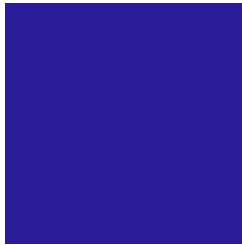
8C007C



0D000B

Previews

White Background



This preview shows how the Hex color 2A1B99 looks on a white background.

Color Contrast Check

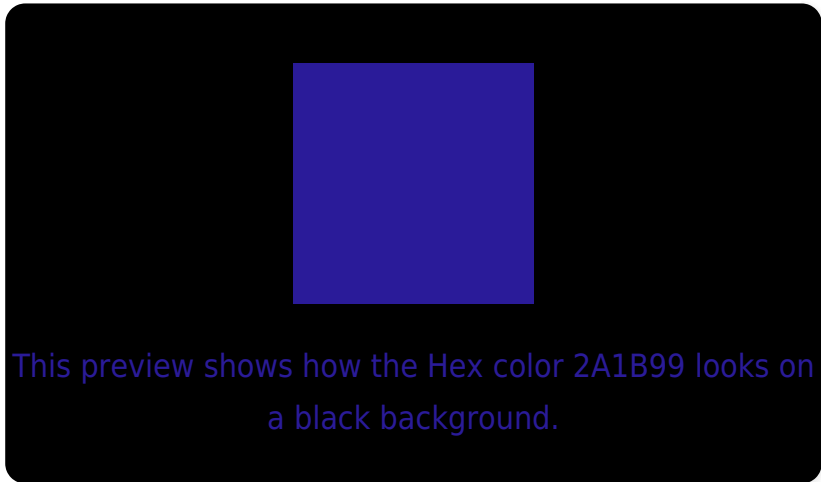
Large Text (above 18pt) WCAG AA ✓ Pass

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

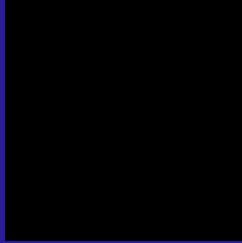
Any Text WCAG AA × Fail

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 2A1B99 Background



This preview shows how black text looks on a background with the Hex color 2A1B99.



This preview shows how white text looks on a background with the Hex color 2A1B99.

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
2A1B99

Protanopia
00346D

Deuteranopia
00385D



Tritanopia
003C3F

Trichromacy



Original Color
2A1B99

Protanomaly
0F2B7D

Deuteranomaly
0F2D73

Tritanomaly
0F3060

Monochromacy



Original Color
2A1B99

Achromatopsia
2E2E2E

Achromatomaly
2D2755

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A1B99 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 #2A1B99 looks like.

```
.text, #text, p{  
    color:#2A1B99  
}
```

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 #2A1B99 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A1B99
}
```

Border

The CSS property to change the border of an element to Hex 2A1B99 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".

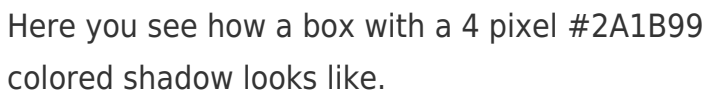
```
.border, #border, table{ border:4px solid
#2A1B99 }
```

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

```
.border{ border-color:#2A1B99 }
```

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

Here you see how a box with a 4 pixel #2A1B99 colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset, 4px blur, 4px spread, and #2A1B99 color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A1B99; -webkit-box-shadow:4px 4px  
4px 4px #2A1B99; box-shadow:4px 4px 4px  
4px #2A1B99 }
```

Background

The CSS property to change the background color of an element to Hex 2A1B99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A1B99 }
```

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

```
.background{ background-color:#2A1B99 }
```

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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