

Converting Colors

Hex(2A00BB)

Have a look what the booklet for
Hex(2A00BB) contains.

Hex(2A00BB)	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(2A00BB)

Conversions

Conversions Part 1

Format	Color
Hex	2A00BB
RGB	42, 0, 187
RGB Percent	16%, 0%, 73%
CMY	0.8353, 1.0000, 0.2667
CMYK	0.78, 1.00, 0.00, 0.27
HSL	253°, 100%, 37%
HSV	253°, 100%, 73%
XYZ	9.9245, 4.0801, 47.2782
YIQ	33.8760, -34.9950, 67.0610

Conversions

Conversions Part 2

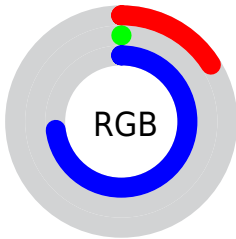
Format	Color
R _Y B	42, 0, 187
Decimal	2752699
CIE Lab	23.93, 63.32, -82.60
CIE LCh	24, 104.071, 307.473
Yxy	4.0801, 0.1619, 0.0666
Android (android.graphics.Color)	4280942779 (0xFF2A00BB)
YUV	33.8760, 75.4901, 7.1247
Hunter-Lab	20.1992, 52.3536, -124.6341

Details

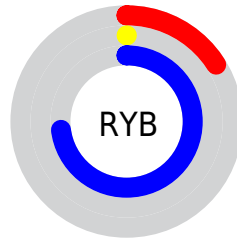
The Hex color **2A00BB** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **91BB00**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **733FF5**, and **000084** is the 20% darker color. If you saturate the color by 10%, you get **2A00BB**, and if you desaturate by 10%, it is **3813BB**.

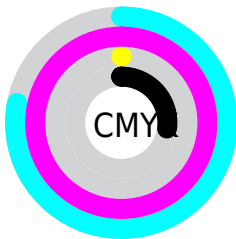
Distribution



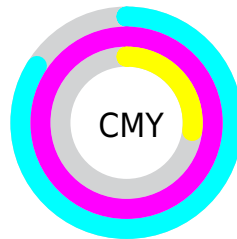
- Red (16%)
- Green (0%)
- Blue (73%)



- Red (16%)
- Yellow (0%)
- Blue (73%)



- Cyan (78%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (84%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A00BB 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 2A00BB by changing the saturation by 10% instead.

 2A00BB

 2A00BB

FFFFFF

 00009F

 733FF5

 000084

 9359FF

 00006A

 B174FF

 000A50

 D08FFF

 000538

 EFAAFF

 000222

 FFC7FF

 000008

 FFE3FF

 000000

 2A00BB


 3813BB

 4725BB

 5638BB

 644BBB

 725EBB

 8170BB

 8F83BB

 9E96BB

 ACA8BB

Harmonies

Analogous

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



0044DE



2A00BB



9B0077

Triad

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



2A00BB



731300



00504C

Complementary

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



2A00BB



91BB00

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.



004D00



2A00BB



353D00

Square

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



2A00BB



9F0000



004900



00529A

Rectangle

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



2A00BB



AF0044



004900



004F30

Sweetspot

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



2A00BB



BAAAF2



0092BB



584E7A



FAFAFA



7A7A7A

Same Dimension

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



2A00BB



3600F2



8600BB



57555E



24009E



07001F

Inverse Universe

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



BB0091



F200BC



35BB00



5E555C



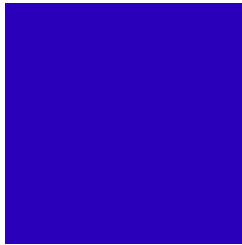
9E007B



1F0018

Previews

White Background



This preview shows how the Hex color 2A00BB looks on a white background.

Color Contrast Check

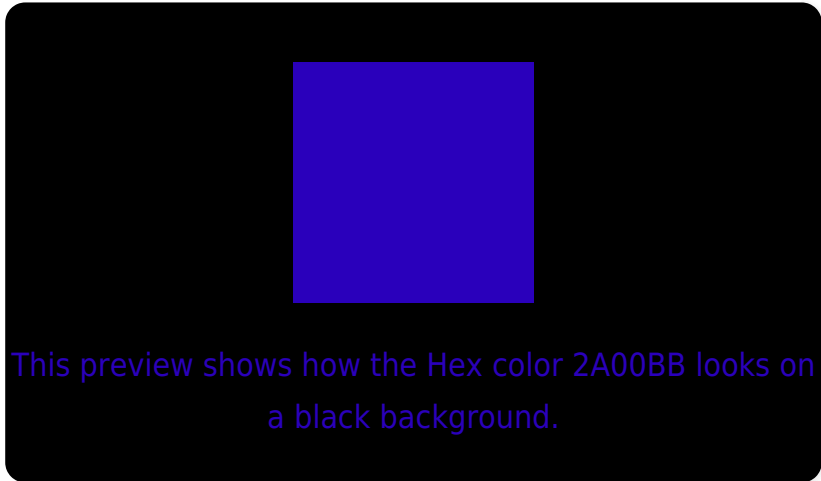
Large Text (above 18pt) WCAG AA ✓ Pass

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

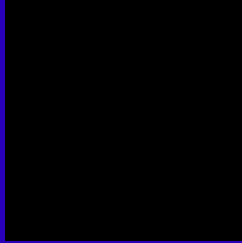
Any Text WCAG AA × Fail

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 2A00BB Background



This preview shows how black text looks on a background with the Hex color 2A00BB.



This preview shows how white text looks on a background with the Hex color 2A00BB.

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
2A00BB

Protanopia
003978

Deuteranopia
003D66

Trichromacy



Original Color
2A00BB

Protanomaly
0F2490

Deuteranomaly
0F2785

Tritanomaly
0F2A70

Monochromacy



Original Color
2A00BB

Achromatopsia
222222

Achromatomaly
25165A

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A00BB 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 #2A00BB looks like.

```
.text, #text, p{  
    color:#2A00BB  
}
```

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 #2A00BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A00BB  
}
```

Border

The CSS property to change the border of an element to Hex 2A00BB 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".

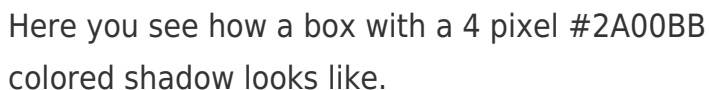
```
.border, #border, table{ border:4px solid  
#2A00BB }
```

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

```
.border{ border-color:#2A00BB }
```

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

Here you see how a box with a 4 pixel #2A00BB 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 to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A00BB; -webkit-box-shadow:4px 4px  
4px 4px #2A00BB; box-shadow:4px 4px 4px  
4px #2A00BB }
```

Background

The CSS property to change the background color of an element to Hex 2A00BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A00BB }
```

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

```
.background{ background-color:#2A00BB }
```

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