

Converting Colors

Hex(1700A3)

Have a look what the booklet for
Hex(1700A3) contains.

Hex(1700A3)	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(1700A3)

Conversions

Conversions Part 1

Format	Color
Hex	1700A3
RGB	23, 0, 163
RGB Percent	9%, 0%, 64%
CMY	0.9098, 1.0000, 0.3608
CMYK	0.86, 1.00, 0.00, 0.36
HSL	248°, 100%, 32%
HSV	248°, 100%, 64%
XYZ	6.9642, 2.8265, 34.8288
YIQ	25.4590, -38.6150, 55.5690

Conversions

Conversions Part 2

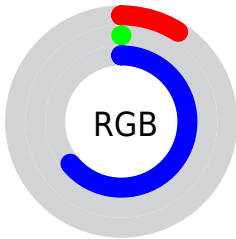
Format	Color
R_{YB}	23, 0, 163
Decimal	1507491
CIE _{Lab}	19.34, 56.92, -75.86
CIE _{LCh}	19, 94.837, 306.882
Yxy	2.8265, 0.1561, 0.0633
Android (android.graphics.Color)	4279697571 (0xFF1700A3)
YUV	25.4590, 67.8077, -2.1565
Hunter-Lab	16.8122, 44.5196, -111.0590

Details

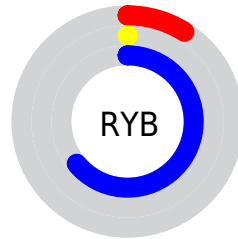
The Hex color **1700A3** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **8CA300**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **643ADB**, and **00006E** is the 20% darker color. If you saturate the color by 10%, you get **1700A3**, and if you desaturate by 10%, it is **2510A3**.

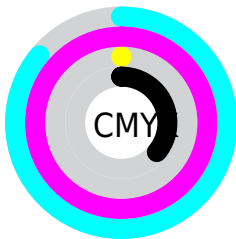
Distribution



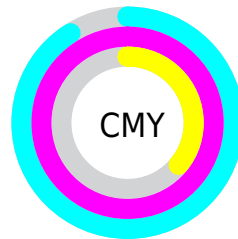
- Red (9%)
- Green (0%)
- Blue (64%)



- Red (9%)
- Yellow (0%)
- Blue (64%)



- Cyan (86%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)



- Cyan (91%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1700A3 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 1700A3 by changing the saturation by 10% instead.

 1700A3

 1700A3

 FFF8FF

 000088

 643ADB

 00006E

 8353F9

 000354

 A16DFF

 00063C

 BF88FF

 000225

 DEA3FF

 00010E

 FCBFFF

 000000

 FFDBFF

 1700A3

 2510A3

 3321A3

 4131A3

 4F41A3

 5D52A3

 6B62A3

 7972A3

 8782A3

 9593A3

Harmonies

Analogous

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



003AC1



1700A3



840067

Triad

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



1700A3



630900



00423E

Complementary

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



1700A3



8CA300

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.



004100



1700A3



2C3200

Square

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



1700A3



890000



003D00



004684

Rectangle

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



1700A3



97003A



003D00



004226

Sweetspot

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



1700A3



9D94D4



008DA3



4A456B



EBEBEB



6B6B6B

Same Dimension

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



1700A3



1E00D4



6700A3



4B4952



150091



030012

Inverse Universe

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



A3008C



D400B6



3CA300



524950



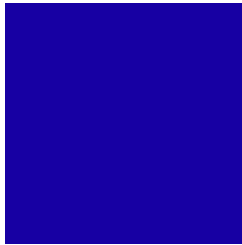
91007D



12000F

Previews

White Background



This preview shows how the Hex color 1700A3 looks on a white background.

Color Contrast Check

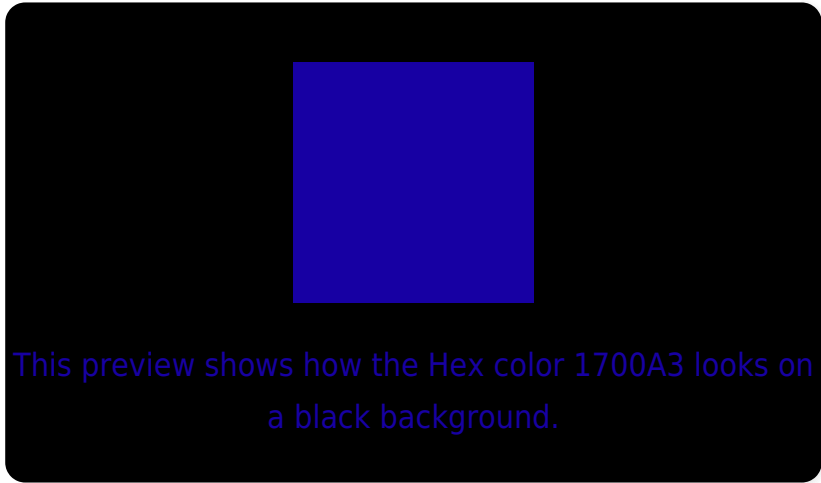
Large Text (above 18pt) WCAG AA ✓ Pass

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

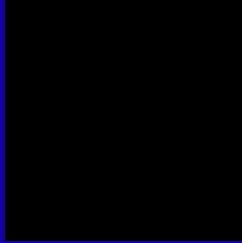
Any Text WCAG AA × Fail

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 1700A3 Background



This preview shows how black text looks on a background with the Hex color 1700A3.



This preview shows how white text looks on a background with the Hex color 1700A3.

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
1700A3

Protanopia
003066

Deuteranopia
003456



Tritanopia
00383A

Trichromacy



Original Color
1700A3

Protanomaly
081F7C

Deuteranomaly
082172

Tritanomaly
082460

Monochromacy



Original Color
1700A3

Achromatopsia
191919

Achromatomaly
18104B

CSS Examples

Text

The CSS property to change the color of the text to Hex 1700A3 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 #1700A3 looks like.

```
.text, #text, p{  
    color:#1700A3  
}
```

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 #1700A3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1700A3
}
```

Border

The CSS property to change the border of an element to Hex 1700A3 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".

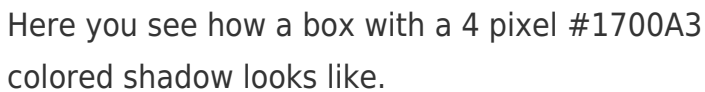
```
.border, #border, table{ border:4px solid
#1700A3 }
```

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

```
.border{ border-color:#1700A3 }
```

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

Here you see how a box with a 4 pixel #1700A3 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 #1700A3; -webkit-box-shadow:4px 4px  
4px 4px #1700A3; box-shadow:4px 4px 4px  
4px #1700A3 }
```

Background

The CSS property to change the background color of an element to Hex 1700A3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1700A3 }
```

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

```
.background{ background-color:#1700A3 }
```

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