

Converting Colors

Hex(103AA2)

Have a look what the booklet for
Hex(103AA2) contains.

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Color

Hex(103AA2)

Conversions

Conversions Part 1

Format	Color
Hex	103AA2
RGB	16, 58, 162
RGB Percent	6%, 23%, 64%
CMY	0.9373, 0.7725, 0.3647
CMYK	0.90, 0.64, 0.00, 0.36
HSL	223°, 82%, 35%
HSV	223°, 90%, 64%
XYZ	8.2483, 5.7449, 34.8566
YIQ	57.2980, -58.4160, 23.4400

Conversions

Conversions Part 2

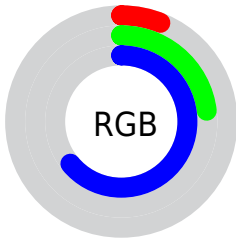
Format	Color
R_{YB}	16, 49, 162
Decimal	1063586
CIE _{Lab}	28.76, 28.44, -59.64
CIE _{LCh}	29, 66.077, 295.491
Yxy	5.7449, 0.1689, 0.1176
Android (android.graphics.Color)	4279253666 (0xFF103AA2)
YUV	57.2980, 51.6181, -36.2183
Hunter-Lab	23.9685, 19.4826, -69.4453

Details

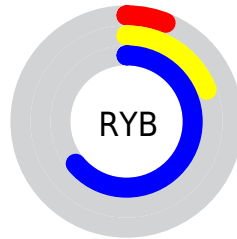
The Hex color **103AA2** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A27810**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **5D69DA**, and **00126D** is the 20% darker color. If you saturate the color by 10%, you get **002FA2**, and if you desaturate by 10%, it is **2046A2**.

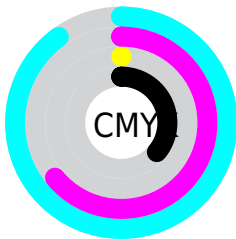
Distribution



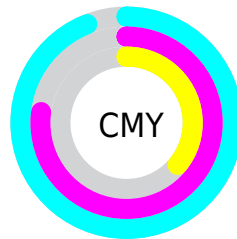
- Red (6%)
- Green (23%)
- Blue (64%)



- Red (6%)
- Yellow (19%)
- Blue (64%)



- Cyan (90%)
- Magenta (64%)
- Yellow (0%)
- Black (36%)



- Cyan (94%)
- Magenta (77%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Hex color 103AA2 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 103AA2 by changing the saturation by 10% instead.

■ 103AA2

■ 103AA2

FFFFFF

■ 002587

■ 5D69DA

■ 00126D

■ 7A82F7

■ 000054

■ 989CFF

■ 00063C

■ B5B7FF

■ 000225

■ D3D2FF

■ 00010E

■ F1EEFF

■ 000000

■ 103AA2


■ 103AA2


■ 002FA2

■ 2046A2

 3051A2

 415DA2

 5168A2

 6174A2

 717FA2

 818BA2

 9296A2

 A2A2A2

Harmonies

Analogous

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



004EAC



103AA2



760F7F

Triad

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



103AA2



7F2400



00573A

Complementary

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



103AA2



A27810

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.



005400



103AA2



5A3F00

Square

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



103AA2



95001C



284D00



00586F

Rectangle

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



103AA2



8F005F



284D00



005628

Sweetspot

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



103AA2



9BABD4



10A276



49536B



EBEBEB



6B6B6B

Same Dimension

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



103AA2



003DD4



2D10A2



494C52



002A91



000512

Inverse Universe

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



A2103A



D4003D



85A210



52494C



91002A



120005

Previews

White Background



This preview shows how the Hex color 103AA2 looks on a white background.

Color Contrast Check

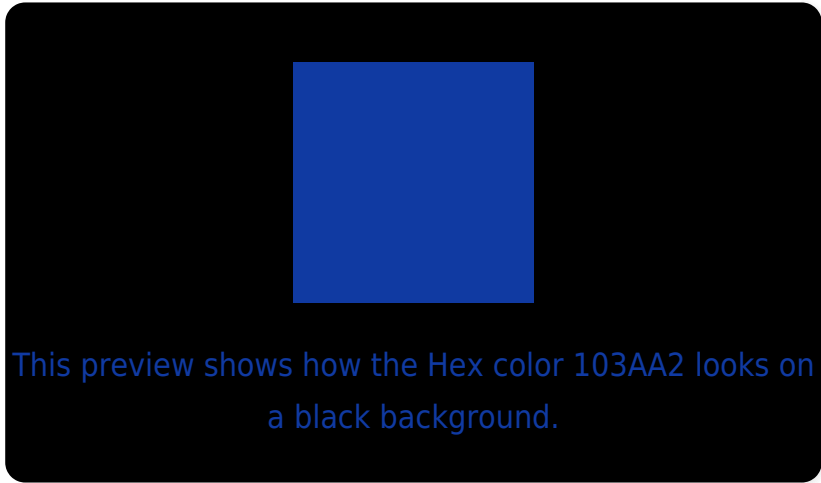
Large Text (above 18pt) WCAG AA ✓ Pass

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

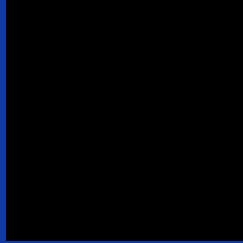
Any Text WCAG AA × Fail

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 103AA2 Background



This preview shows how black text looks on a background with the Hex color 103AA2.



This preview shows how white text looks on a background with the Hex color 103AA2.

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
103AA2

Protanopia
00418A

Deuteranopia
004676



Tritanopia
004B50

Trichromacy



Original Color
103AA2

Protanomaly
063E93

Deuteranomaly
064286

Tritanomaly
06456E

Monochromacy



Original Color
103AA2

Achromatopsia
393939

Achromatomaly
2A395F

CSS Examples

Text

The CSS property to change the color of the text to Hex 103AA2 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 #103AA2 looks like.

```
.text, #text, p{  
    color:#103AA2  
}
```

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 #103AA2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #103AA2
}
```

Border

The CSS property to change the border of an element to Hex 103AA2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

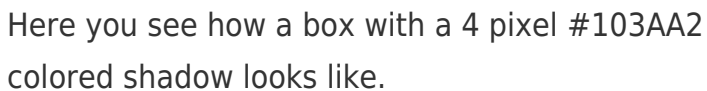
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#103AA2 }
```

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

```
.border{ border-color:#103AA2 }
```

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



Here you see how a box with a 4 pixel #103AA2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #103AA2; -webkit-box-shadow:4px 4px  
4px 4px #103AA2; box-shadow:4px 4px 4px  
4px #103AA2 }
```

Background

The CSS property to change the background color of an element to Hex 103AA2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#103AA2 }
```

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

```
.background{ background-color:#103AA2 }
```

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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