

# Converting Colors

Hex(8020AC)

Have a look what the booklet for  
Hex(8020AC) contains.

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**Color**

**Hex(8020AC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8020AC
RGB	128, 32, 172
RGB Percent	50%, 13%, 67%
CMY	0.4980, 0.8745, 0.3255
CMYK	0.26, 0.81, 0.00, 0.33
HSL	281°, 69%, 40%
HSV	281°, 81%, 67%
XYZ	16.8650, 8.6008, 39.8010
YIQ	76.6640, 12.2760, 63.8920

# Conversions

## Conversions Part 2

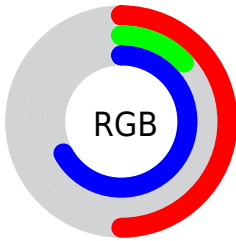
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 32, 172
Decimal	8396972
CIE <sub>Lab</sub>	35.20, 60.26, -54.72
CIE <sub>LCh</sub>	35, 81.396, 317.758
Yxy	8.6008, 0.2584, 0.1318
Android (android.graphics.Color)	4286587052 (0xFF8020AC)
YUV	76.6640, 47.0006, 45.0217
Hunter-Lab	29.3271, 51.3268, -59.9359

# Details

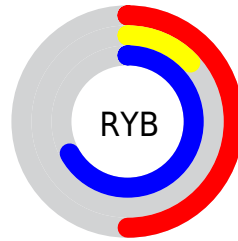
The Hex color **8020AC** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **4CAC20**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **B959E4**, and **480077** is the 20% darker color. If you saturate the color by 10%, you get **7B0FAC**, and if you desaturate by 10%, it is **8531AC**.

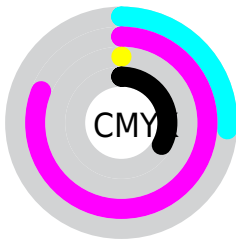
# Distribution



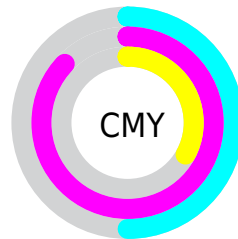
- Red (50%)
- Green (13%)
- Blue (67%)



- Red (50%)
- Yellow (13%)
- Blue (67%)



- Cyan (26%)
- Magenta (81%)
- Yellow (0%)
- Black (33%)



- Cyan (50%)
- Magenta (87%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8020AC 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 8020AC by changing the saturation by 10% instead.



 8020AC

 8020AC

FFFFFF

 640091

 B959E4

 480077

 D675FF

 2C005D

 F490FF

 0D0045

 FFACFF

 00032D

 FFC8FF

 000117

 FFE5FF

 000000

 8020AC

 8020AC

 7B0FAC

 8531AC

7600AC

8B42AC

9054AC

9665AC

9B76AC

A087AC

A698AC

ABAAAC

B1BBAC

# Harmonies

## Analogous

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



004FD2



8020AC



B40070

# Triad

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



8020AC



7C4600



006B79

# Complementary

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



8020AC



4CAC20

# 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.



006935



8020AC



415C00

# Square

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



8020AC



A61500



006500



006BB4

# Rectangle

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



8020AC



BD0046



006500



006B63



# Sweetspot

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



8020AC



CFABE0



204CAC



665070



F0F0F0



707070



# Same Dimension

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



8020AC



9B04E0



AC2092



544E57



670096



100017



# Inverse Universe

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



AC204C



E0044A



20AC3A



574E51



96002F

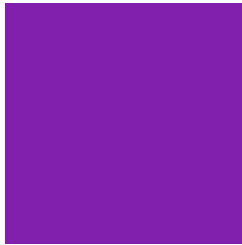


170007



# Previews

## White Background



This preview shows how the Hex color 8020AC looks on a white background.

## Color Contrast Check

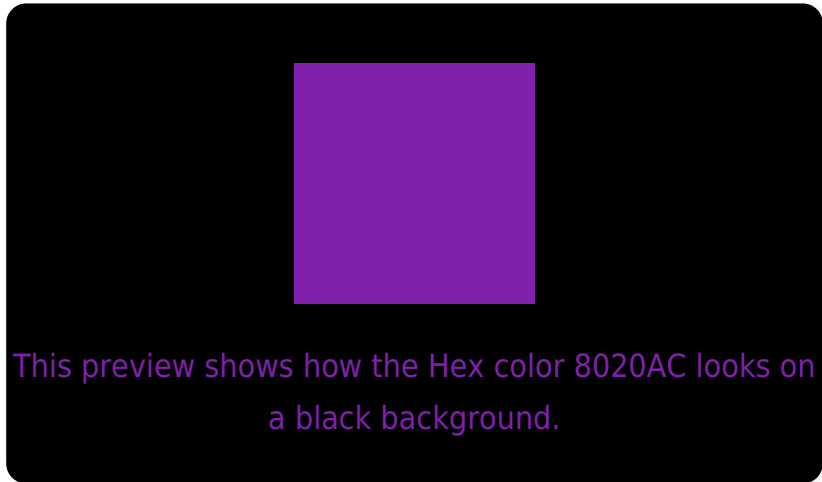
Large Text (above 18pt) WCAG AA ✓ Pass

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

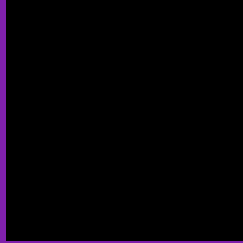
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 8020AC Background



This preview shows how black text looks on a background with the Hex color 8020AC.

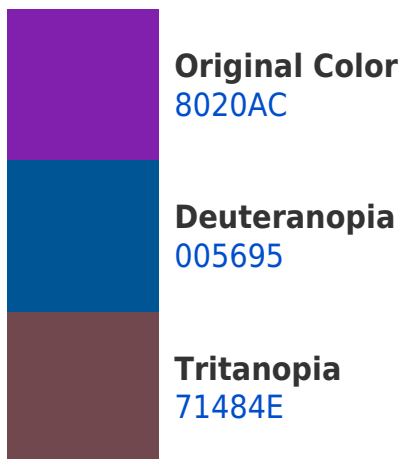


This preview shows how white text looks on a background with the Hex color 8020AC.

# 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



# Trichromacy



**Original Color**  
8020AC

**Deuteranomaly**  
2F429D

**Tritanomaly**  
763970

# Monochromacy



**Original Color**  
8020AC

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
603D70

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8020AC 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 #8020AC looks like.

```
.text, #text, p{  
    color:#8020AC  
}
```

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 #8020AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8020AC
}
```

## Border

The CSS property to change the border of an element to Hex 8020AC is called "border". The border property can be set on classes, ids or directly on the HTML element.

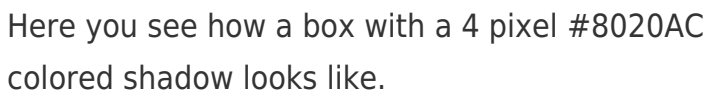
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#8020AC }
```

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

```
.border{ border-color:#8020AC }
```

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



Here you see how a box with a 4 pixel #8020AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8020AC; -webkit-box-shadow:4px 4px  
4px 4px #8020AC; box-shadow:4px 4px 4px  
4px #8020AC }
```

# Background

The CSS property to change the background color of an element to Hex 8020AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8020AC }
```

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

```
.background{ background-color:#8020AC }
```

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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