

# Converting Colors

Hex(A00870)

Have a look what the booklet for  
Hex(A00870) contains.

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**Color**

**Hex(A00870)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A00870
RGB	160, 8, 112
RGB Percent	63%, 3%, 44%
CMY	0.3725, 0.9686, 0.5608
CMYK	0.00, 0.95, 0.30, 0.37
HSL	319°, 90%, 33%
HSV	319°, 95%, 63%
XYZ	17.5087, 8.8171, 16.1083
YIQ	65.3040, 57.2080, 64.5680

# Conversions

## Conversions Part 2

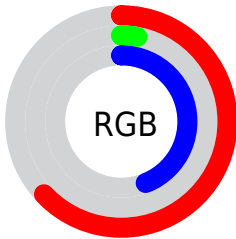
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 8, 112
Decimal	10487920
CIELab	35.63, 61.95, -16.76
CIELCh	36, 64.180, 344.862
Yxy	8.8171, 0.4126, 0.2078
Android (android.graphics.Color)	4288678000 (0xFFA00870)
YUV	65.3040, 23.0211, 83.0484
Hunter-Lab	29.6936, 53.2877, -11.3783

# Details

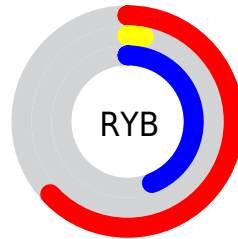
The Hex color **A00870** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **08A038**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **DB51A4**, and **670040** is the 20% darker color. If you saturate the color by 10%, you get **A0006D**, and if you desaturate by 10%, it is **A01875**.

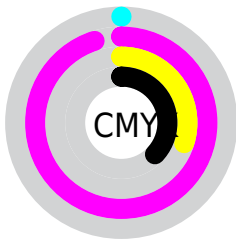
# Distribution



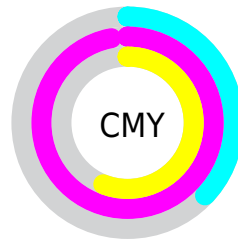
- Red (63%)
- Green (3%)
- Blue (44%)



- Red (63%)
- Yellow (3%)
- Blue (44%)



- Cyan (0%)
- Magenta (95%)
- Yellow (30%)
- Black (37%)



- Cyan (37%)
- Magenta (97%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A00870 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 A00870 by changing the saturation by 10% instead.



 A00870

 A00870

FFFFFF

 830057

 DB51A4

 670040

 F96DBF

 4C002A

 FF89DB

 320015

 FFA6F7

 000000

 FFC3FF

 FFE0FF

 FFFDFF

 A00870

 A00870

■ A0006D

■ A01875

■ A0287A

■ A0387F

■ A04884

■ A05889

■ A0688E

■ A07893

■ A08898

■ A0989D

# Harmonies

## Analogous

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



73379E



A00870



AB003D

# Triad

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



A00870



505900



00689C

# Complementary

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



A00870



08A038

# 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.



00696D



A00870



006300

# Square

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



A00870



7C4800



006737



0061B8

# Rectangle

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



A00870



A31E1C



006737



00698E



# Sweetspot

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



A00870



D194BE



3608A0



69445D



E8E8E8



696969



# Same Dimension

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



A00870



D1008F



A00826



4F474D



8F0062



0F000A



# Inverse Universe

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



A00870



D1008F



08A082



4F474D



8F0062



0F000A



# Previews

## White Background



This preview shows how the Hex color A00870 looks on a white background.

## Color Contrast Check

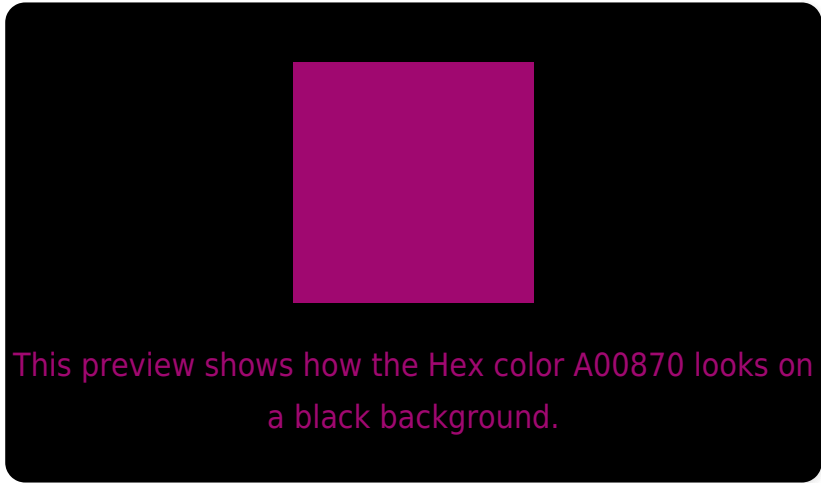
Large Text (above 18pt) WCAG AA ✓ Pass

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

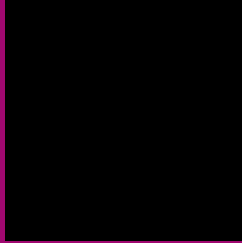
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex A00870 Background



This preview shows how black text looks on a background with the Hex color A00870.



This preview shows how white text looks on a background with the Hex color A00870.

# 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**  
A00870

**Protanopia**  
2F549F

**Deuteranopia**  
555469



**Tritanopia**  
9B2D2F

# Trichromacy



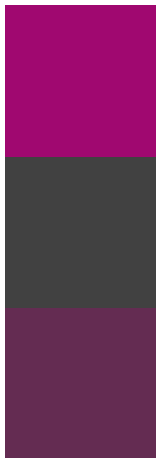
**Original Color**  
A00870

**Protanomaly**  
58388E

**Deuteranomaly**  
70386C

**Tritanomaly**  
9D2047

# Monochromacy



**Original Color**  
A00870

**Achromatopsia**  
414141

**Achromatomaly**  
642C52

# CSS Examples

## Text

The CSS property to change the color of the text to Hex A00870 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 #A00870 looks like.

```
.text, #text, p{  
    color:#A00870  
}
```

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 #A00870 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A00870
}
```

## Border

The CSS property to change the border of an element to Hex A00870 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
#A00870 }
```

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

```
.border{ border-color:#A00870 }
```

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

Here you see how a box with a 4 pixel #A00870 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A00870; -webkit-box-shadow:4px 4px  
4px 4px #A00870; box-shadow:4px 4px 4px  
4px #A00870 }
```

# Background

The CSS property to change the background color of an element to Hex A00870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A00870 }
```

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

```
.background{ background-color:#A00870 }
```

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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