

# Converting Colors

Hex(AA2170)

Have a look what the booklet for  
Hex(AA2170) contains.

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# Color

**Hex(AA2170)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA2170
RGB	170, 33, 112
RGB Percent	67%, 13%, 44%
CMY	0.3333, 0.8706, 0.5608
CMYK	0.00, 0.81, 0.34, 0.33
HSL	325°, 67%, 40%
HSV	325°, 81%, 67%
XYZ	20.0461, 10.8036, 16.3580
YIQ	82.9690, 56.2930, 53.6130

# Conversions

## Conversions Part 2

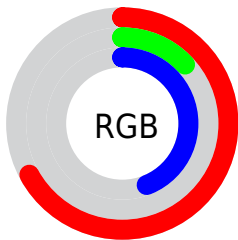
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 33, 112
Decimal	11149680
CIE <sub>Lab</sub>	39.25, 59.49, -11.07
CIE <sub>LCh</sub>	39, 60.507, 349.461
Yxy	10.8036, 0.4246, 0.2289
Android (android.graphics.Color)	4289339760 (0xFFAA2170)
YUV	82.9690, 14.3123, 76.3262
Hunter-Lab	32.8688, 51.3431, -6.4989

# Details

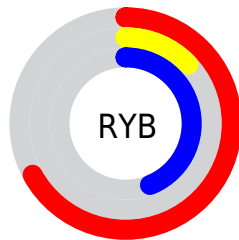
The Hex color **AA2170** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **21AA5B**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **E55EA4**, and **710040** is the 20% darker color. If you saturate the color by 10%, you get **AA1069**, and if you desaturate by 10%, it is **AA3277**.

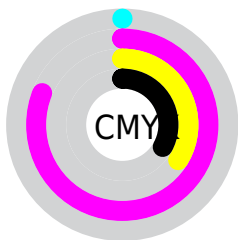
# Distribution



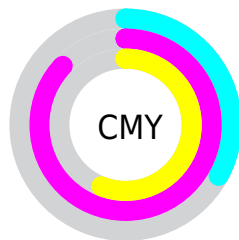
- Red (67%)
- Green (13%)
- Blue (44%)



- Red (67%)
- Yellow (13%)
- Blue (44%)



- Cyan (0%)
- Magenta (81%)
- Yellow (34%)
- Black (33%)



- Cyan (33%)
- Magenta (87%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AA2170 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 AA2170 by changing the saturation by 10% instead.



■ AA2170

■ AA2170

FFFFFF

■ 8D0058

■ E55EA4

■ 710040

■ FF7ABF

■ 55002A

■ FF96DB

■ 3C0016

■ FFB2F7

■ 1A0001

■ FFCFFF

■ 000000

■ FFECFF

■ AA2170

■ AA2170

■ AA1069

■ AA3277

■ AA0062

■ AA437E

■ AA5486

■ AA658D

■ AA7694

■ AA879B

■ AA98A2

■ AAA9AA

■ AABAB1

# Harmonies

## Analogous

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



853E9D



AA2170



B1213F

# Triad

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



AA2170



526400



0070A7

# Complementary

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



AA2170



21AA5B

# 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.



00727C



AA2170



006C12

# Square

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



AA2170



7F5400



007149



0068BE

# Rectangle

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



AA2170



A83320



007149



00719A



# Sweetspot

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



AA2170



DEA9C7



5A21AA



705062



F0F0F0



707070



# Same Dimension

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



AA2170



DE0783



AA212C



544C51



940055



14000C



# Inverse Universe

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



AA2170



DE0783



21AA9F



544C51



940055



14000C



# Previews

## White Background



This preview shows how the Hex color AA2170 looks on a white background.

## Color Contrast Check

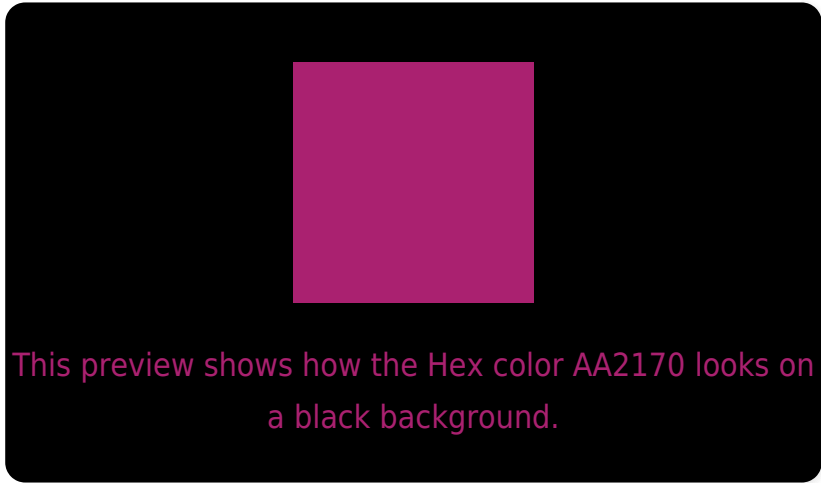
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 AA2170 Background



This preview shows how black text looks on a background with the Hex color AA2170.

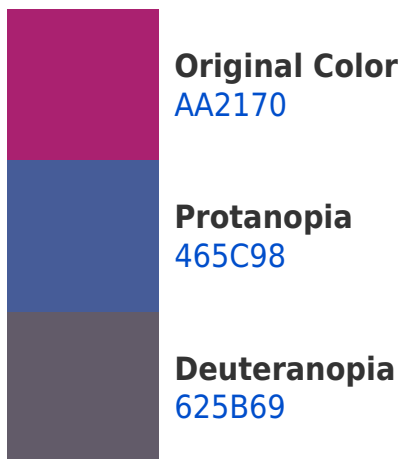


This preview shows how white text looks on a background with the Hex color AA2170.

# 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





**Tritanopia**  
A63437

# Trichromacy



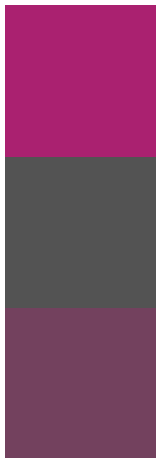
**Original Color**  
AA2170

**Protanomaly**  
6A4789

**Deuteranomaly**  
7C466C

**Tritanomaly**  
A72D4C

# Monochromacy



**Original Color**  
AA2170

**Achromatopsia**  
535353

**Achromatomaly**  
73415E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AA2170 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 #AA2170 looks like.

```
.text, #text, p{  
    color:#AA2170  
}
```

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 #AA2170 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AA2170
}
```

## Border

The CSS property to change the border of an element to Hex AA2170 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
#AA2170 }
```

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

```
.border{ border-color:#AA2170 }
```

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

Here you see how a box with a 4 pixel #AA2170 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AA2170; -webkit-box-shadow:4px 4px  
4px 4px #AA2170; box-shadow:4px 4px 4px  
4px #AA2170 }
```

# Background

The CSS property to change the background color of an element to Hex AA2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AA2170 }
```

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

```
.background{ background-color:#AA2170 }
```

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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