

# Converting Colors

Hex(A12B66)

Have a look what the booklet for  
Hex(A12B66) contains.

<b>Hex(A12B66)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(A12B66)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A12B66
RGB	161, 43, 102
RGB Percent	63%, 17%, 40%
CMY	0.3686, 0.8314, 0.6000
CMYK	0.00, 0.73, 0.37, 0.37
HSL	330°, 58%, 40%
HSV	330°, 73%, 63%
XYZ	17.9601, 10.2641, 13.6049
YIQ	85.0080, 51.3890, 43.3650

# Conversions

## Conversions Part 2

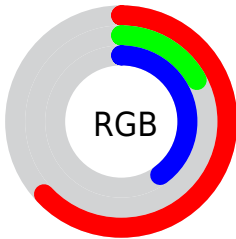
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 43, 102
Decimal	10562406
CIE <sub>Lab</sub>	38.31, 52.81, -6.34
CIE <sub>LCh</sub>	38, 53.194, 353.150
Yxy	10.2641, 0.4294, 0.2454
Android (android.graphics.Color)	4288752486 (0xFFA12B66)
YUV	85.0080, 8.3771, 66.6450
Hunter-Lab	32.0377, 43.9999, -2.7514

# Details

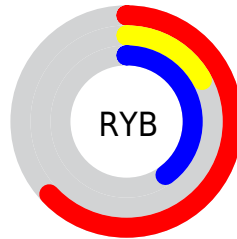
The Hex color **A12B66** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **2BA166**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **DB6399**, and **690037** is the 20% darker color. If you saturate the color by 10%, you get **A11B5E**, and if you desaturate by 10%, it is **A13B6E**.

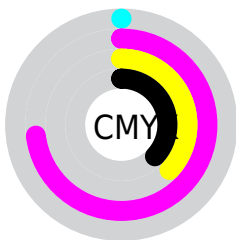
# Distribution



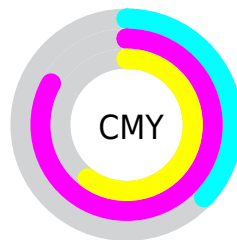
- Red (63%)
- Green (17%)
- Blue (40%)



- Red (63%)
- Yellow (17%)
- Blue (40%)



- Cyan (0%)
- Magenta (73%)
- Yellow (37%)
- Black (37%)



- Cyan (37%)
- Magenta (83%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A12B66 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 A12B66 by changing the saturation by 10% instead.



 A12B66

 A12B66

FFFFFF

 85034E

 DB6399

 690037

 F97EB4

 4D0022

 FF9ACF

 35000A

 FFB6EB

 060000

 FFD2FF

 000000

 FFEFFF

 A12B66

 A12B66

 A11B5E

 A13B6E

 A10B56

 A14B76

 A10051

 A15B7E

 A16B86

 A17C8E

 A18C96

 A19C9E

 A1ACA6

 A1BCAE

# Harmonies

## Analogous

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



843E8F



A12B66



A52E3B

# Triad

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



A12B66



4D6200



006B9F

# Complementary

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



A12B66



2BA166

# 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.



006D7B



A12B66



006922

# Square

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



A12B66



765500



006D4F



0062B0

# Rectangle

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



A12B66



9C3B20



006D4F



006C95



# Sweetspot

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



A12B66



D1A3BA



662BA1



694D5B



E8E8E8



696969



# Same Dimension

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



A12B66



D11975



A12B2B



52494E



910049



120009



# Inverse Universe

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



A12B66



D11975



2BA1A1



52494E



910049



120009



# Previews

## White Background



This preview shows how the Hex color A12B66 looks on a white background.

## Color Contrast Check

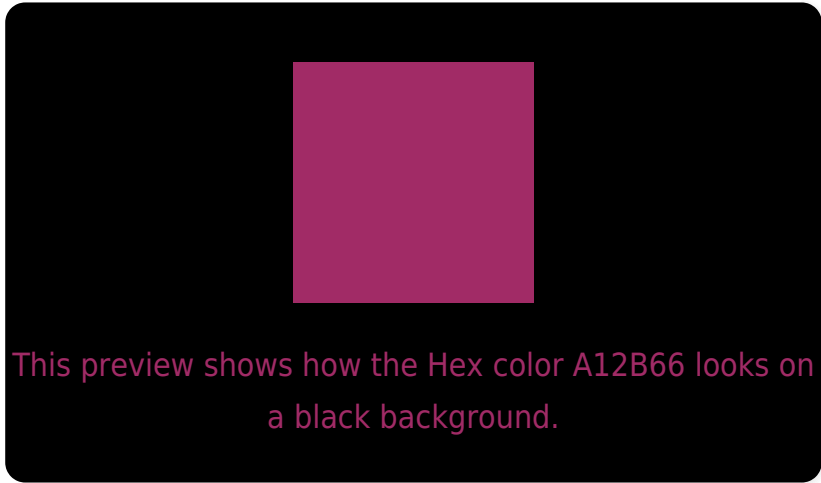
Large Text (above 18pt) WCAG AA ✓ Pass

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 A12B66 Background



This preview shows how black text looks on a background with the Hex color A12B66.

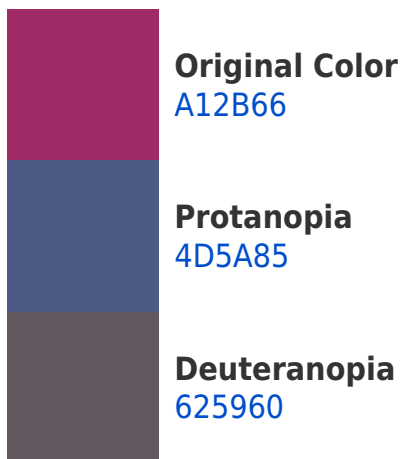



This preview shows how white text looks on a background with the Hex color A12B66.

# 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**  
9E373A

# Trichromacy



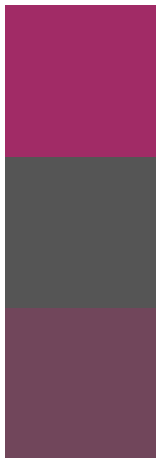
**Original Color**  
A12B66

**Protanomaly**  
6C497A

**Deuteranomaly**  
794862

**Tritanomaly**  
9F334A

# Monochromacy



**Original Color**  
A12B66

**Achromatopsia**  
555555

**Achromatomaly**  
71465B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex A12B66 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 #A12B66 looks like.

```
.text, #text, p{  
    color:#A12B66  
}
```

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 #A12B66 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A12B66  
}
```

## Border

The CSS property to change the border of an element to Hex A12B66 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  
#A12B66 }
```

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

```
.border{ border-color:#A12B66 }
```

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

Here you see how a box with a 4 pixel #A12B66 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A12B66; -webkit-box-shadow:4px 4px  
4px 4px #A12B66; box-shadow:4px 4px 4px  
4px #A12B66 }
```

# Background

The CSS property to change the background color of an element to Hex A12B66 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A12B66 }
```

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

```
.background{ background-color:#A12B66 }
```

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