

Converting Colors

Hex(5712AA)

Have a look what the booklet for
Hex(5712AA) contains.

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Color

Hex(5712AA)

Conversions

Conversions Part 1

Format	Color
Hex	5712AA
RGB	87, 18, 170
RGB Percent	34%, 7%, 67%
CMY	0.6588, 0.9294, 0.3333
CMYK	0.49, 0.89, 0.00, 0.33
HSL	267°, 81%, 37%
HSV	267°, 89%, 67%
XYZ	11.4025, 5.3611, 38.4640
YIQ	55.9590, -7.6680, 61.9000

Conversions

Conversions Part 2

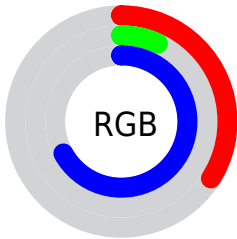
Format	Color
R _{YB}	87, 18, 170
Decimal	5706410
CIE _{Lab}	27.74, 58.06, -65.97
CIE _{LCh}	28, 87.883, 311.354
Yxy	5.3611, 0.2065, 0.0971
Android (android.graphics.Color)	4283896490 (0xFF5712AA)
YUV	55.9590, 56.2222, 27.2230
Hunter-Lab	23.1541, 47.3845, -82.2858

Details

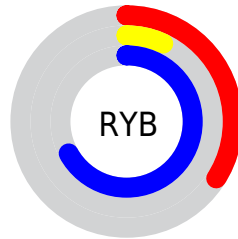
The Hex color **5712AA** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **65AA12**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **914BE2**, and **110074** is the 20% darker color. If you saturate the color by 10%, you get **4E01AA**, and if you desaturate by 10%, it is **6023AA**.

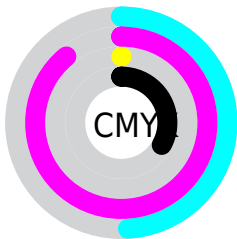
Distribution



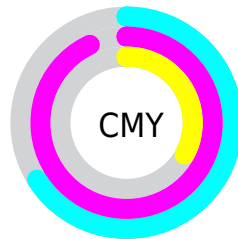
- Red (34%)
- Green (7%)
- Blue (67%)



- Red (34%)
- Yellow (7%)
- Blue (67%)



- Cyan (49%)
- Magenta (89%)
- Yellow (0%)
- Black (33%)



- Cyan (66%)
- Magenta (93%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Hex color 5712AA 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 5712AA by changing the saturation by 10% instead.

5712AA

5712AA

FFFFFF

38008F

914BE2

110074

AE65FF

00005B

CC80FF

000342

EA9BFF

00032B

FFB7FF

000115

FFD4FF

000000

FFF1FF

5712AA

5712AA

■ 4E01AA

■ 6023AA

■ 4D00AA

■ 6A34AA

■ 7345AA

■ 7C56AA

■ 8567AA

■ 8F78AA

■ 9889AA

■ A19AAA

■ ABABAA

Harmonies

Analogous

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



0045CB



5712AA



9D006E

Triad

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



5712AA



722C00



00585B

Complementary

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



5712AA



65AA12

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.



00560F



5712AA



394700

Square

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



5712AA



9A0000



005200



00599C

Rectangle

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



5712AA



AC0042



005200



005743

Sweetspot

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



5712AA



BDA2DE



1266AA



5D4C70



F0F0F0



707070

Same Dimension

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



5712AA



6500DE



A212AA



504C54



430094



090014

Inverse Universe

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



AA1265



DE0079



1AAA12



544C50



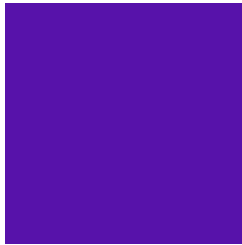
940051



14000B

Previews

White Background



This preview shows how the Hex color 5712AA 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

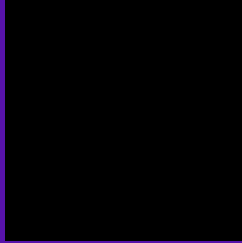
Any Text WCAG AA × Fail

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 5712AA Background



This preview shows how black text looks on a background with the Hex color 5712AA.



This preview shows how white text looks on a background with the Hex color 5712AA.

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
5712AA

Protanopia
004188

Deuteranopia
004574



Tritanopia
3D4449

Trichromacy



Original Color
5712AA

Protanomaly
203094

Deuteranomaly
203288

Tritanomaly
46326C

Monochromacy



Original Color
5712AA

Achromatopsia
383838

Achromatomaly
432A61

CSS Examples

Text

The CSS property to change the color of the text to Hex 5712AA 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 #5712AA looks like.

```
.text, #text, p{  
    color:#5712AA  
}
```

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 #5712AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5712AA
}
```

Border

The CSS property to change the border of an element to Hex 5712AA is called "border". The border property can be set on classes, ids or directly on the HTML element.

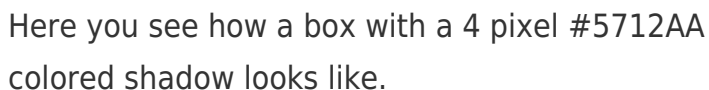
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5712AA }
```

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

```
.border{ border-color:#5712AA }
```

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



Here you see how a box with a 4 pixel #5712AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5712AA; -webkit-box-shadow:4px 4px  
4px 4px #5712AA; box-shadow:4px 4px 4px  
4px #5712AA }
```

Background

The CSS property to change the background color of an element to Hex 5712AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5712AA }
```

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

```
.background{ background-color:#5712AA }
```

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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