

Converting Colors

Hex(227A00)

Have a look what the booklet for
Hex(227A00) contains.

Hex(227A00)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(227A00)

Conversions

Conversions Part 1

Format	Color
Hex	227A00
RGB	34, 122, 0
RGB Percent	13%, 48%, 0%
CMY	0.8667, 0.5216, 1.0000
CMYK	0.72, 0.00, 1.00, 0.52
HSL	103°, 100%, 24%
HSV	103°, 100%, 48%
XYZ	7.6192, 14.2591, 2.3507
YIQ	81.7800, -13.2860, -56.5980

Conversions

Conversions Part 2

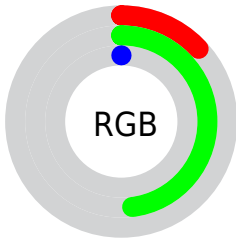
Format	Color
RYB	0, 122, 88
Decimal	2259456
CIELab	44.60, -45.63, 48.80
CIELCh	45, 66.806, 133.078
Yxy	14.2591, 0.3145, 0.5885
Android (android.graphics.Color)	4280449536 (0xFF227A00)
YUV	81.7800, -40.3175, -41.9031
Hunter-Lab	37.7613, -30.0657, 22.7420

Details

The Hex color **227A00** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **58007A**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **5EAF3E**, and **004800** is the 20% darker color. If you saturate the color by 10%, you get **227A00**, and if you desaturate by 10%, it is **2B7A0C**.

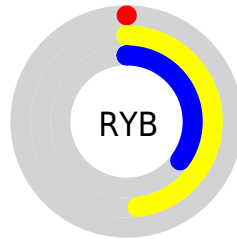
Distribution



Red (13%)

Green (48%)

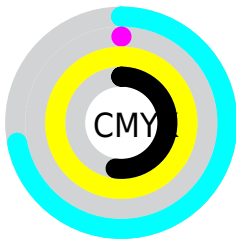
Blue (0%)



Red (0%)

Yellow (48%)

Blue (35%)

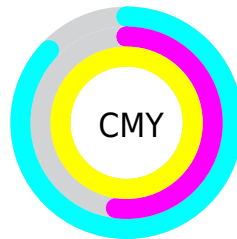


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (87%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 227A00 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 227A00 by changing the saturation by 10% instead.

 227A00

 227A00

FFFFFFE

 006000

 5EAF3E

 004800

 7ACB58

 003100

 96E873

 001900

 B2FF8D

 000000

 CFFFA9

 EDFFC5

 FFFFE1

 227A00

 2B7A0C

 347A18

 3C7A25


 457A31

 4E7A3D

 577A49

 607A55

 687A62

 717A6E

Harmonies

Analogous

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



6A6F00



227A00



008047

Triad

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



227A00



0079D5



CA2154

Complementary

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



227A00



58007A

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.



BB2C8B



227A00



0068D7

Square

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



227A00



0080B5



894DBC



BC3F1E

Rectangle

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



227A00



00816E



894DBC



C81F66

Sweetspot

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



227A00



7C9E6F



7A5700



3B4F33



CFCFCF



4F4F4F

Same Dimension

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



227A00



2C9E00



007A1A



393D37



237D00



46FC00

Inverse Universe

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



58007A



72009E



7A0060



3B373D



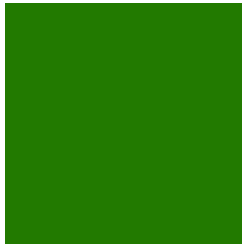
5A007D



B600FC

Previews

White Background



This preview shows how the Hex color 227A00 looks on a white background.

Color Contrast Check

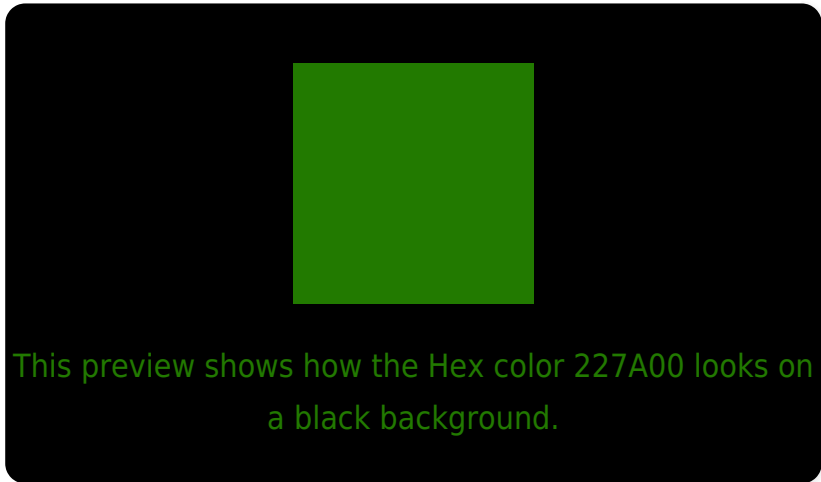
Large Text (above 18pt) WCAG AA ✓ Pass

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

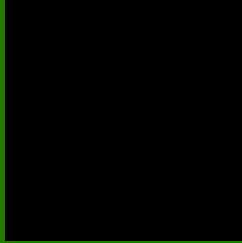
Any Text WCAG AA × Fail

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 227A00 Background



This preview shows how black text looks on a background with the Hex color 227A00.



This preview shows how white text looks on a background with the Hex color 227A00.

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
227A00

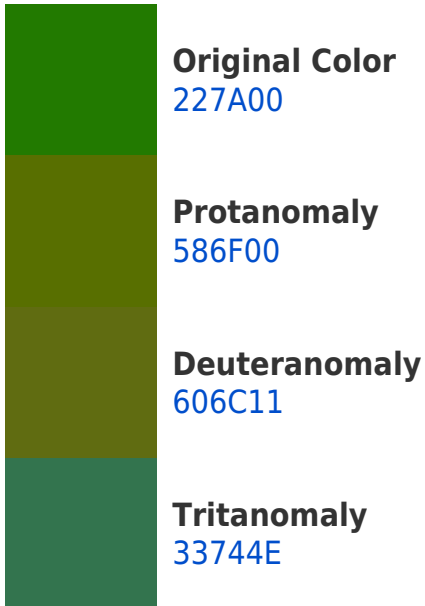
Protanopia
776900

Deuteranopia
84641A

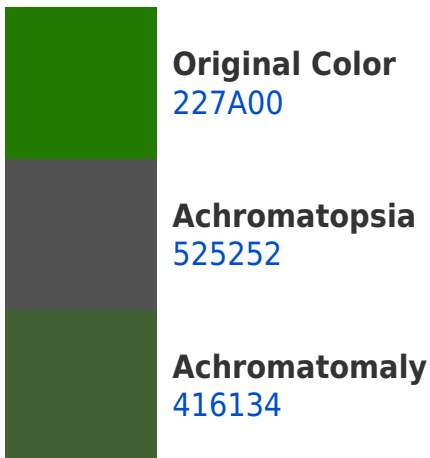


Tritanopia
3C717B

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 227A00 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 #227A00 looks like.

```
.text, #text, p{  
    color:#227A00  
}
```

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 #227A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #227A00
}
```

Border

The CSS property to change the border of an element to Hex 227A00 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
#227A00 }
```

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

```
.border{ border-color:#227A00 }
```

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

Here you see how a box with a 4 pixel #227A00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #227A00; -webkit-box-shadow:4px 4px  
4px 4px #227A00; box-shadow:4px 4px 4px  
4px #227A00 }
```

Background

The CSS property to change the background color of an element to Hex 227A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#227A00 }
```

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

```
.background{ background-color:#227A00 }
```

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