

# Converting Colors

Hex(227800)

Have a look what the booklet for  
Hex(227800) contains.

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**Color**

**Hex(227800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	227800
RGB	34, 120, 0
RGB Percent	13%, 47%, 0%
CMY	0.8667, 0.5294, 1.0000
CMYK	0.72, 0.00, 1.00, 0.53
HSL	103°, 100%, 24%
HSV	103°, 100%, 47%
XYZ	7.3762, 13.7730, 2.2697
YIQ	80.6060, -12.7360, -55.5520

# Conversions

## Conversions Part 2

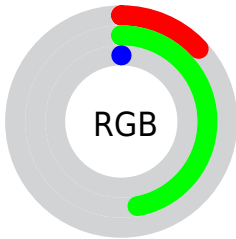
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 120, 86
Decimal	2258944
CIELab	43.91, -44.94, 48.24
CIELCh	44, 65.933, 132.971
Yxy	13.7730, 0.3150, 0.5881
Android (android.graphics.Color)	4280449024 (0xFF227800)
YUV	80.6060, -39.7388, -40.8735
Hunter-Lab	37.1120, -29.4685, 22.3524

# Details

The Hex color **227800** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **560078**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **5EAD3E**, and **004600** is the 20% darker color. If you saturate the color by 10%, you get **227800**, and if you desaturate by 10%, it is **2B780C**.

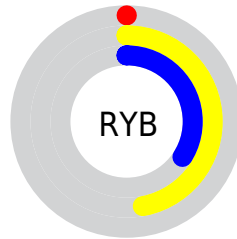
# Distribution



Red (13%)

Green (47%)

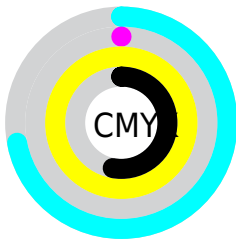
Blue (0%)



Red (0%)

Yellow (47%)

Blue (34%)

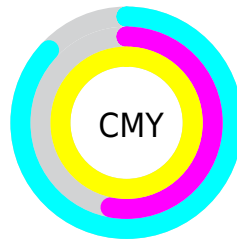


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (87%)

Magenta (53%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 227800 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 227800 by changing the saturation by 10% instead.



 227800

 227800

FFFFFFE

 005F00

 5EAD3E

 004600

 79C958

 002F00

 95E572

 001600

 B2FF8D

 000000

 CFFFA8

 ECFFC4

 FFFFE1

 227800

 2B780C

 337818

 3C7824

 447830

 4D783C

 567848

 5E7854

 677860

 6F786C

# Harmonies

## Analogous

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



686D00



227800



007E45

# Triad

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



227800



0077D1



C62153

# Complementary

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



227800



560078

# 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.



B82B89



227800



0067D4

# Square

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



227800



007EB2



864CB9



B93E1E

# Rectangle

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



227800



007F6C



864CB9



C51E65



# Sweetspot

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



227800



7A9C6D



785600



3B4F33



CFCFCF



4F4F4F



# Same Dimension

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



227800



2C9C00



00781A



393D37



237D00



48FC00



# Inverse Universe

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



560078



6F009C



78005E



3B373D



5A007D

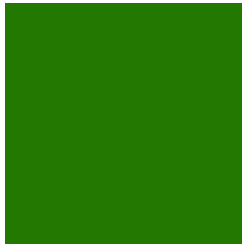


B500FC



# Previews

## White Background



This preview shows how the Hex color 227800 looks on a white background.

## Color Contrast Check

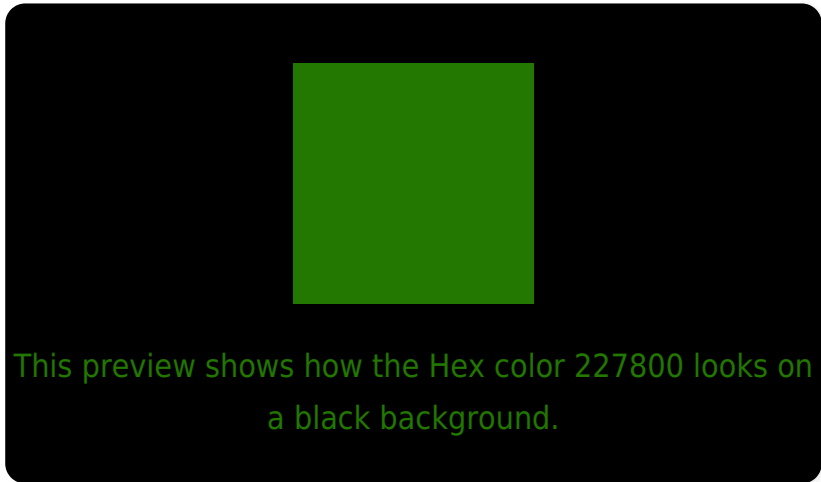
Large Text (above 18pt) WCAG AA ✓ Pass

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

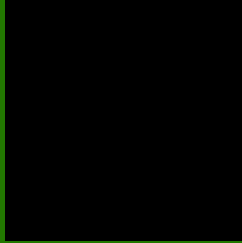
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 227800 Background



This preview shows how black text looks on a background with the Hex color 227800.



This preview shows how white text looks on a background with the Hex color 227800.

# 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**  
227800

**Protanopia**  
756800

**Deuteranopia**  
82621A



**Tritanopia**  
3B7079

# Trichromacy



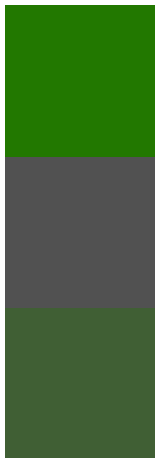
**Original Color**  
227800

**Protanomaly**  
576E00

**Deuteranomaly**  
5F6A11

**Tritanomaly**  
32734D

# Monochromacy



**Original Color**  
227800

**Achromatopsia**  
515151

**Achromatomaly**  
405F34

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 227800 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 #227800 looks like.

```
.text, #text, p{  
    color:#227800  
}
```

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 #227800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #227800
}
```

## Border

The CSS property to change the border of an element to Hex 227800 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
#227800 }
```

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

```
.border{ border-color:#227800 }
```

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

Here you see how a box with a 4 pixel #227800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #227800; -webkit-box-shadow:4px 4px  
4px 4px #227800; box-shadow:4px 4px 4px  
4px #227800 }
```

# Background

The CSS property to change the background color of an element to Hex 227800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#227800 }
```

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

```
.background{ background-color:#227800 }
```

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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