

# Converting Colors

Hex(227200)

Have a look what the booklet for  
Hex(227200) contains.

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**Color**

**Hex(227200)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	227200
RGB	34, 114, 0
RGB Percent	13%, 45%, 0%
CMY	0.8667, 0.5529, 1.0000
CMYK	0.70, 0.00, 1.00, 0.55
HSL	102°, 100%, 22%
HSV	102°, 100%, 45%
XYZ	6.6770, 12.3747, 2.0366
YIQ	77.0840, -11.0860, -52.4140

# Conversions

## Conversions Part 2

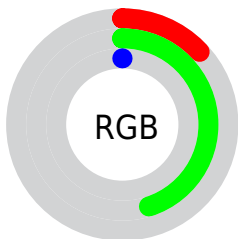
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 114, 80
Decimal	2257408
CIELab	41.81, -42.85, 46.57
CIELCh	42, 63.290, 132.617
Yxy	12.3747, 0.3166, 0.5868
Android (android.graphics.Color)	4280447488 (0xFF227200)
YUV	77.0840, -38.0024, -37.7847
Hunter-Lab	35.1777, -27.6803, 21.1917

# Details

The Hex color **227200** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **500072**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **5CA73C**, and **004100** is the 20% darker color. If you saturate the color by 10%, you get **227200**, and if you desaturate by 10%, it is **2A720B**.

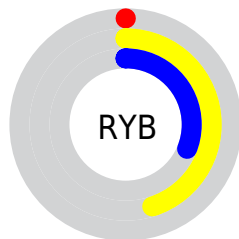
# Distribution



Red (13%)

Green (45%)

Blue (0%)



Red (0%)

Yellow (45%)

Blue (31%)

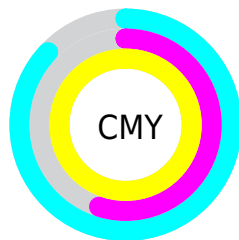


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (87%)

Magenta (55%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 227200 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 227200 by changing the saturation by 10% instead.



 227200

 227200

 FFFFFB

 005900

 5CA73C

 004100

 78C256

 002B00

 93DF70

 000C00

 B0FB8B

 000000

 CCFFA6

 EAFFC2

 FFFFDE

 227200

 2A720B

 327217

 3A7222

 42722E

 4A7239

 527244

 5A7250

 62725B

 6A7267

# Harmonies

## Analogous

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



646700



227200



007741

# Triad

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



227200



0071C7



BD204F

# Complementary

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



227200



500072

# 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.



AF2A83



227200



0062CA

# Square

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



227200



0078A9



7F49B0



B03A1D

# Rectangle

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



227200



007966



7F49B0



BB1E60



# Sweetspot

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



227200



759468



725000



374A2F



C9C9C9



4A4A4A



# Same Dimension

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



227200



2C9400



007217



343832



247800



4AF700



# Inverse Universe

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



500072



680094



72005B



363238



540078

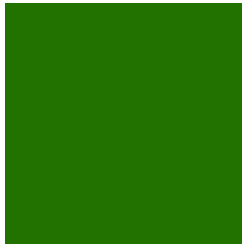


AE00F7



# Previews

## White Background



This preview shows how the Hex color 227200 looks on a white background.

## Color Contrast Check

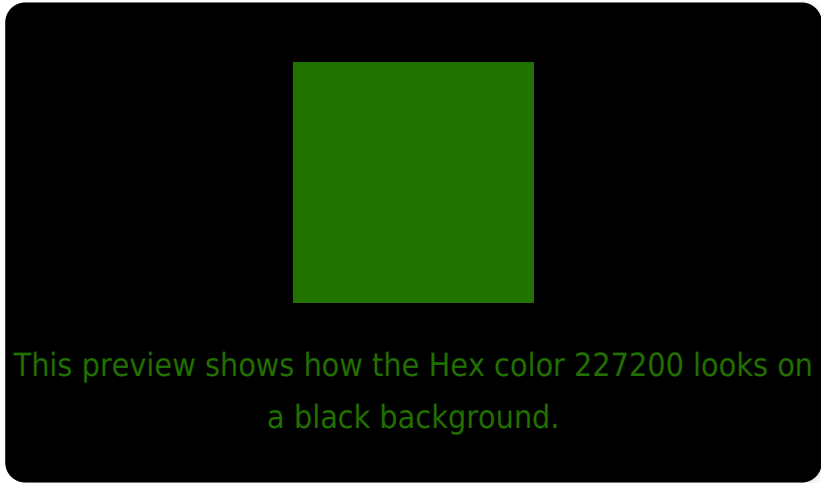
Large Text (above 18pt) WCAG AA ✓ Pass

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

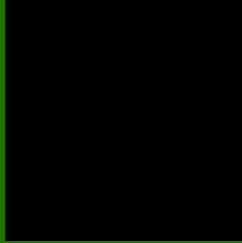
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 227200 Background



This preview shows how black text looks on a background with the Hex color 227200.



This preview shows how white text looks on a background with the Hex color 227200.

# 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**  
227200

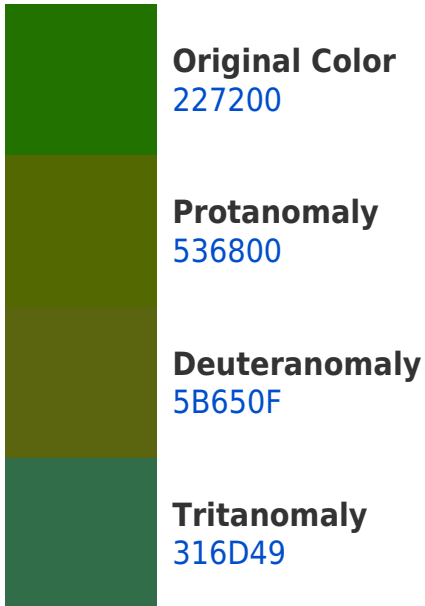
**Protanopia**  
6F6300

**Deuteranopia**  
7C5D18

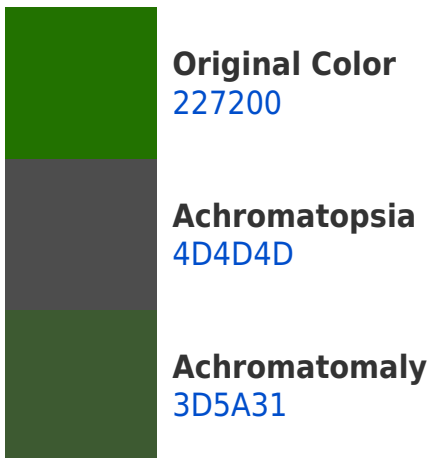


**Tritanopia**  
396A73

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 227200 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 #227200 looks like.

```
.text, #text, p{  
    color:#227200  
}
```

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 #227200 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #227200
}
```

## Border

The CSS property to change the border of an element to Hex 227200 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
#227200 }
```

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

```
.border{ border-color:#227200 }
```

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

Here you see how a box with a 4 pixel #227200 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #227200; -webkit-box-shadow:4px 4px  
4px 4px #227200; box-shadow:4px 4px 4px  
4px #227200 }
```

# Background

The CSS property to change the background color of an element to Hex 227200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#227200 }
```

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

```
.background{ background-color:#227200 }
```

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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