

# Converting Colors

Hex(227D3A)

Have a look what the booklet for  
Hex(227D3A) contains.

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# Color

Hex(227D3A)

# Conversions

## Conversions Part 1

Format	Color
Hex	227D3A
RGB	34, 125, 58
RGB Percent	13%, 49%, 23%
CMY	0.8667, 0.5098, 0.7725
CMYK	0.73, 0.00, 0.54, 0.51
HSL	136°, 57%, 31%
HSV	136°, 73%, 49%
XYZ	8.7570, 15.3128, 6.4971
YIQ	90.1530, -32.7290, -40.1290

# Conversions

## Conversions Part 2

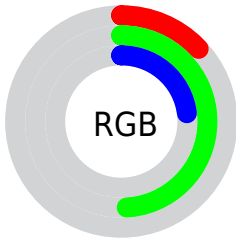
Format	Color
<b>RYB</b>	34, 106, 125
Decimal	2260282
CIELab	46.06, -41.67, 28.85
CIELCh	46, 50.681, 145.308
Yxy	15.3128, 0.2865, 0.5010
Android (android.graphics.Color)	4280450362 (0xFF227D3A)
YUV	90.1530, -15.8514, -49.2462
Hunter-Lab	39.1316, -28.5348, 17.5480

# Details

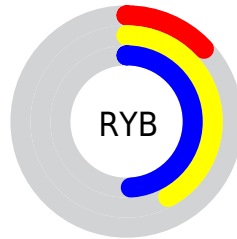
The Hex color **227D3A** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7D2265**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5CB36B**, and **004B0B** is the 20% darker color. If you saturate the color by 10%, you get **167D31**, and if you desaturate by 10%, it is **2F7D43**.

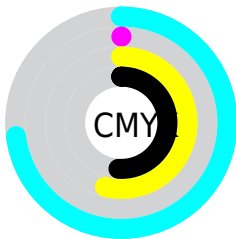
# Distribution



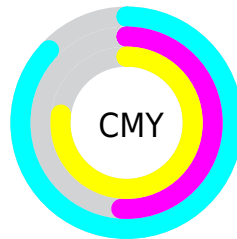
- Red (13%)
- Green (49%)
- Blue (23%)



- Red (13%)
- Yellow (42%)
- Blue (49%)



- Cyan (73%)
- Magenta (0%)
- Yellow (54%)
- Black (51%)



- Cyan (87%)
- Magenta (51%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 227D3A 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 227D3A by changing the saturation by 10% instead.



 227D3A

 227D3A

FFFFFF

 006323

 5CB36B

 004B0B

 78CE84

 003300

 93EB9F

 001D00

 AFFFBA

 000000

 CCFFD6

 E9FFF3

 227D3A

 227D3A

 167D31

 2F7D43

■ 097D28

■ 3B7D4C

■ 007D21

■ 487D56

■ 547D5F

■ 617D68

■ 6D7D71

■ 7A7D7A

■ 867D84

■ 937D8D

# Harmonies

## Analogous

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



5F7516



227D3A



008165

# Triad

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



227D3A



0074C2



B8484B

# Complementary

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



227D3A



7D2265

# 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.



B54476



227D3A



6065BA

# Square

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



227D3A



007DB2



9A529E



A75827

# Rectangle

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



227D3A



008182



9A529E



BA4459



# Sweetspot

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



227D3A



7FA389



667D22



3C5242



D1D1D1



525252



# Same Dimension

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



227D3A



15A33B



227D66



39403B



008022



000000



# Inverse Universe

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



7D2265



A3157E



7D2239



40393E



80005E



000000



# Previews

## White Background



This preview shows how the Hex color 227D3A looks on a white background.

## Color Contrast Check

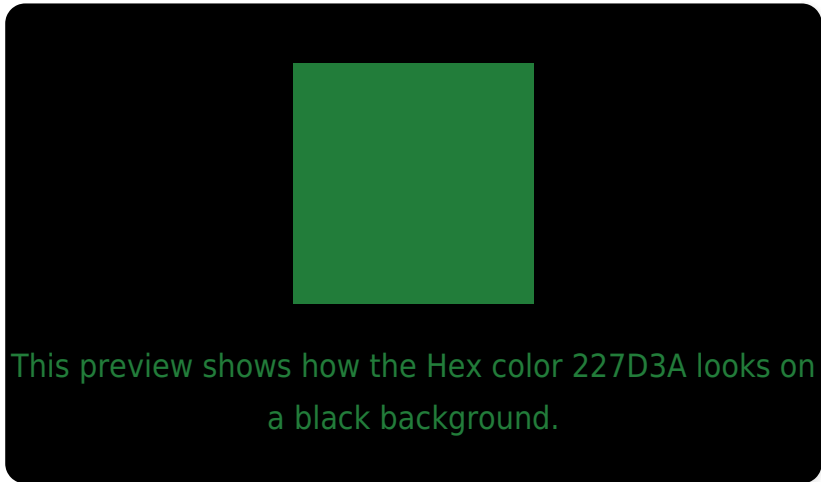
Large Text (above 18pt) WCAG AA ✓ Pass

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

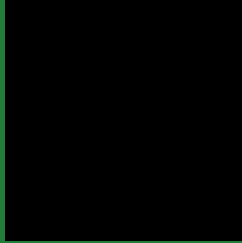
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 227D3A Background



This preview shows how black text looks on a background with the Hex color 227D3A.



This preview shows how white text looks on a background with the Hex color 227D3A.

# 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**  
227D3A

**Protanopia**  
786D35

**Deuteranopia**  
846840



**Tritanopia**  
3A767F

# Trichromacy



**Original Color**  
227D3A



**Protanomaly**  
597337



**Deuteranomaly**  
60703E

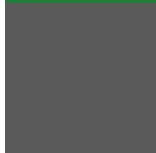


**Tritanomaly**  
317966

# Monochromacy



**Original Color**  
227D3A



**Achromatopsia**  
5A5A5A



**Achromatomaly**  
46674E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 227D3A 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 #227D3A looks like.

```
.text, #text, p{  
    color:#227D3A  
}
```

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 #227D3A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #227D3A
}
```

## Border

The CSS property to change the border of an element to Hex 227D3A 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
#227D3A }
```

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

```
.border{ border-color:#227D3A }
```

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

Here you see how a box with a 4 pixel #227D3A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #227D3A; -webkit-box-shadow:4px 4px  
4px 4px #227D3A; box-shadow:4px 4px 4px  
4px #227D3A }
```

# Background

The CSS property to change the background color of an element to Hex 227D3A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#227D3A }
```

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

```
.background{ background-color:#227D3A }
```

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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