

# Converting Colors

Hex(2A2200)

Have a look what the booklet for  
Hex(2A2200) contains.

<b>Hex(2A2200)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(2A2200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A2200
RGB	42, 34, 0
RGB Percent	16%, 13%, 0%
CMY	0.8353, 0.8667, 1.0000
CMYK	0.00, 0.19, 1.00, 0.84
HSL	49°, 100%, 8%
HSV	49°, 100%, 16%
XYZ	1.5269, 1.6363, 0.2354
YIQ	32.5160, 15.6820, -8.8780

# Conversions

## Conversions Part 2

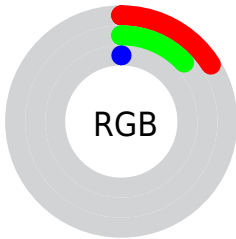
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	10, 42, 0
Decimal	2761216
CIE Lab	13.45, -0.78, 19.82
CIE LCh	13, 19.838, 92.244
Yxy	1.6363, 0.4493, 0.4815
Android (android.graphics.Color)	4280951296 (0xFF2A2200)
YUV	32.5160, -16.0304, 8.3175
Hunter-Lab	12.7918, -1.0792, 7.8633

# Details

The Hex color **2A2200** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **00082A**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **584E2F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2A2200**, and if you desaturate by 10%, it is **2A2304**.

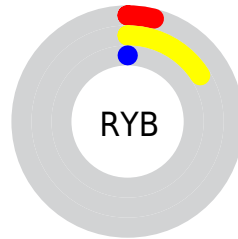
# Distribution



Red (16%)

Green (13%)

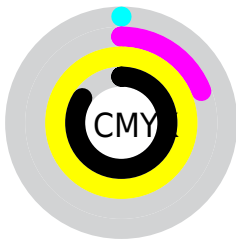
Blue (0%)



Red (4%)

Yellow (16%)

Blue (0%)

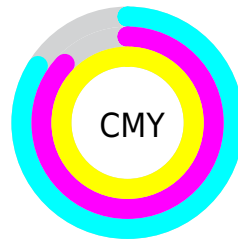


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (84%)



Cyan (84%)

Magenta (87%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A2200 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 2A2200 by changing the saturation by 10% instead.



 2A2200


 2A2200

 FFFFE2

 100C00

 584E2F

 000000

 716646

 8B7F5E

 A69976

 C1B490

 DDCFAB

 FAEBC6

 2A2200

■ 2A2304

■ 2A2408

■ 2A240D

■ 2A2511

■ 2A2615

■ 2A2719

■ 2A281D

■ 2A2822

■ 2A2926

# Harmonies

## Analogous

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



351D06



2A2200



1C2607

# Triad

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



2A2200



002931



341930

# Complementary

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



2A2200



00082A

# 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.



241E3A



2A2200



00273B

# Square

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



2A2200



002923



08243E



3B1622

# Rectangle

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



2A2200



0F2811



08243E



301B34



# Sweetspot

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



2A2200



363225



2A0008



1C1A12



9C9C9C



1C1C1C



# Same Dimension

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



2A2200



362B00



1D2A00



141412



544400



D4AB00



# Inverse Universe

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



00082A



000A36



0D002A



121314



001054

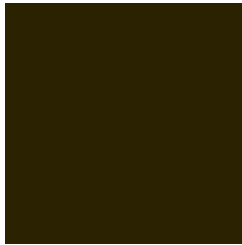


0028D4



# Previews

## White Background



This preview shows how the Hex color 2A2200 looks on a white background.

## Color Contrast Check

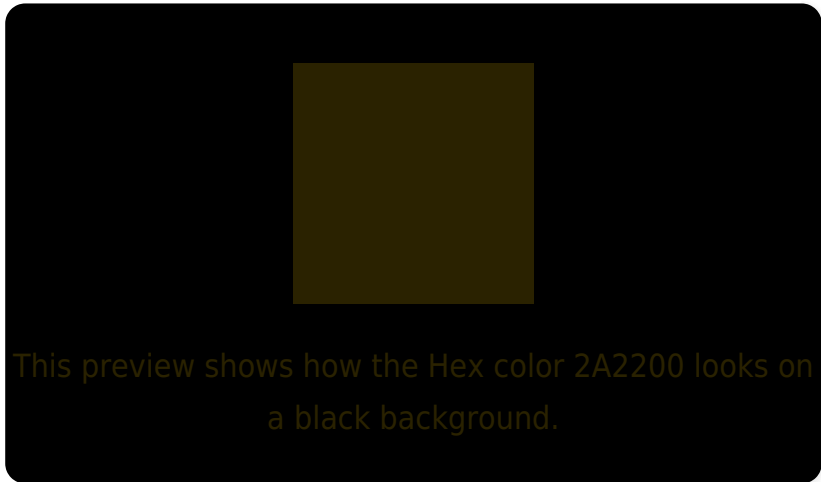
Large Text (above 18pt) WCAG AA ✓ Pass

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

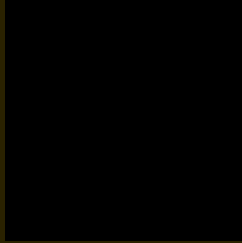
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A2200 Background



This preview shows how black text looks on a background with the Hex color 2A2200.

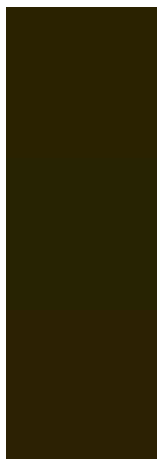


This preview shows how white text looks on a background with the Hex color 2A2200.

# 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**

2A2200

**Protanopia**

272302

**Deuteranopia**

2C2103



# Trichromacy



**Original Color**  
2A2200

**Protanomaly**  
282301

**Deuteranomaly**  
2B2102

**Tritanomaly**  
2B2116

# Monochromacy



**Original Color**  
2A2200

**Achromatopsia**  
212121

**Achromatomaly**  
242115

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A2200 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 #2A2200 looks like.

```
.text, #text, p{  
    color:#2A2200  
}
```

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 #2A2200 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A2200
}
```

## Border

The CSS property to change the border of an element to Hex 2A2200 is called "border". The border property can be set on classes, ids or directly on the HTML element.

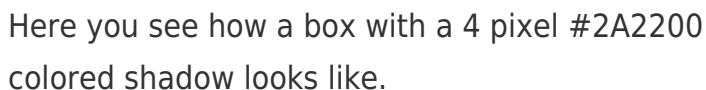
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A2200 }
```

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

```
.border{ border-color:#2A2200 }
```

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



Here you see how a box with a 4 pixel #2A2200 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A2200; -webkit-box-shadow:4px 4px  
4px 4px #2A2200; box-shadow:4px 4px 4px  
4px #2A2200 }
```

# Background

The CSS property to change the background color of an element to Hex 2A2200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A2200 }
```

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

```
.background{ background-color:#2A2200 }
```

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