

# Converting Colors

Hex(22432A)

Have a look what the booklet for  
Hex(22432A) contains.

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# Color

Hex(22432A)

# Conversions

## Conversions Part 1

Format	Color
Hex	22432A
RGB	34, 67, 42
RGB Percent	13%, 26%, 16%
CMY	0.8667, 0.7373, 0.8353
CMYK	0.49, 0.00, 0.37, 0.74
HSL	135°, 33%, 20%
HSV	135°, 49%, 26%
XYZ	3.0848, 4.5216, 2.9007
YIQ	54.2830, -11.6430, -14.7710

# Conversions

## Conversions Part 2

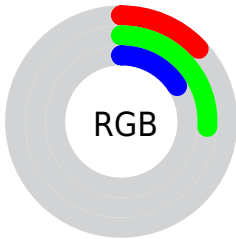
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 61, 67
Decimal	2245418
CIE <sub>Lab</sub>	25.33, -18.64, 11.52
CIE <sub>LCh</sub>	25, 21.911, 148.284
Yxy	4.5216, 0.2936, 0.4303
Android (android.graphics.Color)	4280435498 (0xFF22432A)
YUV	54.2830, -6.0555, -17.7882
Hunter-Lab	21.2640, -11.3169, 6.7969

# Details

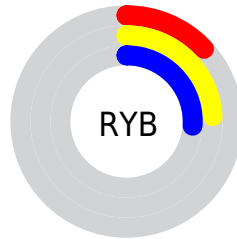
The Hex color **22432A** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **43223B**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **517358**, and **001A00** is the 20% darker color. If you saturate the color by 10%, you get **1B4325**, and if you desaturate by 10%, it is **29432F**.

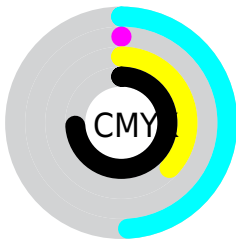
# Distribution



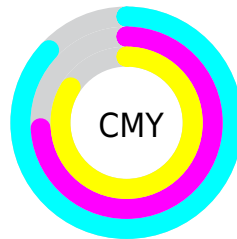
- Red (13%)
- Green (26%)
- Blue (16%)



- Red (13%)
- Yellow (24%)
- Blue (26%)



- Cyan (49%)
- Magenta (0%)
- Yellow (37%)
- Black (74%)



- Cyan (87%)
- Magenta (74%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22432A 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 22432A by changing the saturation by 10% instead.





22432A



22432A

FFFFFF



0B2D15



517358



001A00



698D70



000000



83A889



9DC3A4



B8DFBF



D4FBDB



F1FFF7



22432A



22432A

■ 1B4325

■ 29432F

■ 154320

■ 2F4334

■ 0E431B

■ 364339

■ 074316

■ 3D433E

■ 004311

■ 444343

■ 004310

■ 4A4348

■ 51434E

■ 584353

■ 5E4358

# Harmonies

## Analogous

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



36401E



22432A



02453A

# Triad

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



22432A



1F3E5D



5B302D

# Complementary

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



22432A



43223B

# 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.



5A2F3E



22432A



3C3859

# Square

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



22432A



004258



50324E



543520

# Rectangle

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



22432A



004546



50324E



5C2F32



# Sweetspot

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



22432A



4A574D



3B4322



242B25



ABABAB



2B2B2B



# Same Dimension

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



22432A



245730



22433A



1E211F



006117



00E036



# Inverse Universe

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



43223B



57244A



43222B



211E20



610049

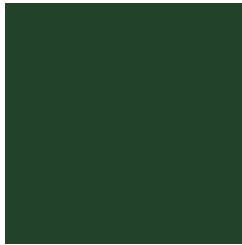


E000AA



# Previews

## White Background



This preview shows how the Hex color 22432A looks on a white background.

## Color Contrast Check

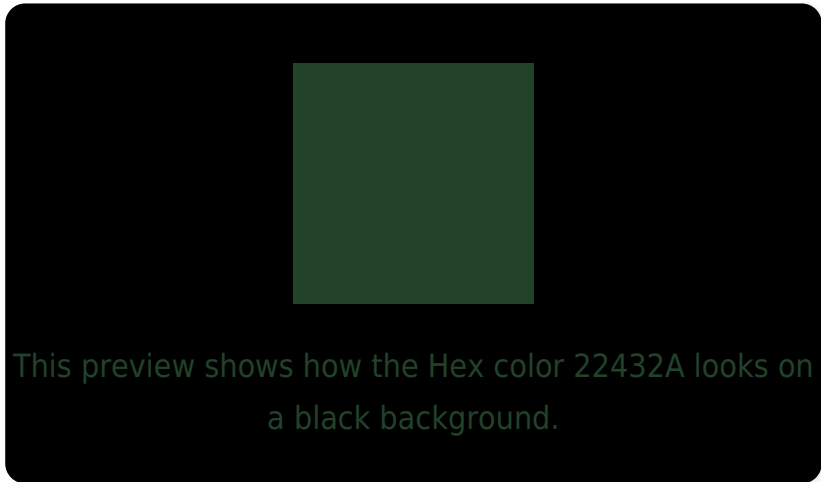
Large Text (above 18pt) WCAG AA ✓ Pass

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

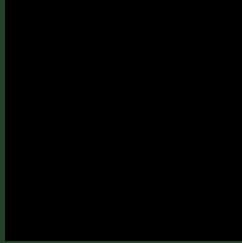
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 22432A Background



This preview shows how black text looks on a background with the Hex color 22432A.



This preview shows how white text looks on a background with the Hex color 22432A.

# 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](#).

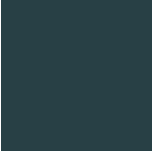
## Dichromacy



**Original Color**  
22432A

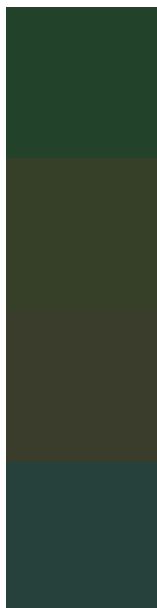
**Protanopia**  
413C27

**Deuteranopia**  
47392C



**Tritanopia**  
284045

# Trichromacy



**Original Color**

22432A

**Protanomaly**

363F28

**Deuteranomaly**

3A3D2B

**Tritanomaly**

26413B

# Monochromacy



**Original Color**

22432A

**Achromatopsia**

363636

**Achromatomaly**

2F3B32

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22432A 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 #22432A looks like.

```
.text, #text, p{  
    color:#22432A  
}
```

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 #22432A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22432A
}
```

## Border

The CSS property to change the border of an element to Hex 22432A 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".

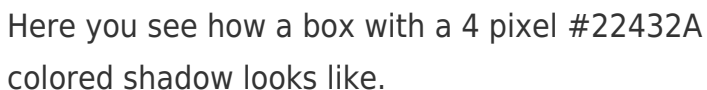
```
.border, #border, table{ border:4px solid
#22432A }
```

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

```
.border{ border-color:#22432A }
```

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

Here you see how a box with a 4 pixel #22432A colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22432A; -webkit-box-shadow:4px 4px  
4px 4px #22432A; box-shadow:4px 4px 4px  
4px #22432A }
```

# Background

The CSS property to change the background color of an element to Hex 22432A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22432A }
```

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

```
.background{ background-color:#22432A }
```

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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