

# Converting Colors

Hex(21322C)

Have a look what the booklet for  
Hex(21322C) contains.

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# Color

Hex(21322C)

# Conversions

## Conversions Part 1

Format	Color
Hex	21322C
RGB	33, 50, 44
RGB Percent	13%, 20%, 17%
CMY	0.8706, 0.8039, 0.8275
CMYK	0.34, 0.00, 0.12, 0.80
HSL	159°, 20%, 16%
HSV	159°, 34%, 20%
XYZ	2.2224, 2.7864, 2.8036
YIQ	44.2330, -8.2060, -5.4700

# Conversions

## Conversions Part 2

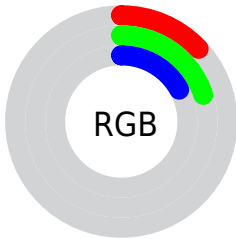
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 43, 50
Decimal	2175532
CIE Lab	19.17, -8.61, 1.58
CIE LCh	19, 8.749, 169.629
Yxy	2.7864, 0.2845, 0.3567
Android (android.graphics.Color)	4280365612 (0xFF21322C)
YUV	44.2330, -0.1149, -9.8513
Hunter-Lab	16.6925, -5.4465, 1.7268

# Details

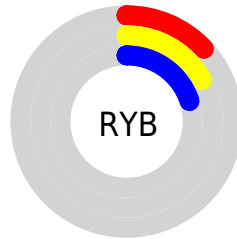
The Hex color **21322C** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **322127**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **4E6059**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1C322A**, and if you desaturate by 10%, it is **26322E**.

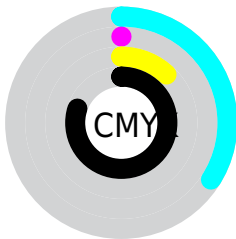
# Distribution



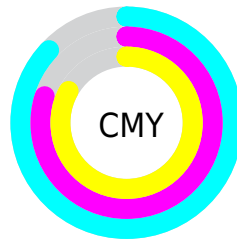
- Red (13%)
- Green (20%)
- Blue (17%)



- Red (13%)
- Yellow (17%)
- Blue (20%)



- Cyan (34%)
- Magenta (0%)
- Yellow (12%)
- Black (80%)



- Cyan (87%)
- Magenta (80%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21322C 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 21322C by changing the saturation by 10% instead.





21322C



21322C

FFFFFF



0C1D18



4E6059



000000



667972



7F938B



99ADA6



B4C9C1



D0E5DD



ECFFF9



21322C



21322C

■ 1C322A

■ 26322E

■ 173228

■ 2B3230

■ 123227

■ 303231

■ 0D3225

■ 353233

■ 083223

■ 3A3235

■ 033221

■ 3F3237

■ 003220

■ 443238

■ 49323A

■ 4E323C

# Harmonies

## Analogous

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



283126



21322C



1D3233

# Triad

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



21322C



2D2E3A



3A2B25

# Complementary

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



21322C



322127

# 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.



3C2A2B



21322C



352C37

# Square

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



21322C



24303B



3A2A31



352D22

# Rectangle

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



21322C



1D3236



3A2A31



3B2B27



# Sweetspot

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



21322C



39403E



273221



1D2120



A1A1A1



212121



# Same Dimension

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



21322C



264037



213032



171A19



00593A



00D98C



# Inverse Universe

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



322127



40262F



322321



1A1718



590020

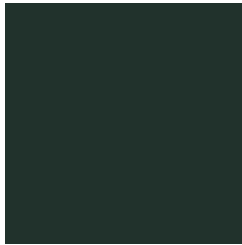


D9004D



# Previews

## White Background



This preview shows how the Hex color 21322C looks on a white background.

## Color Contrast Check

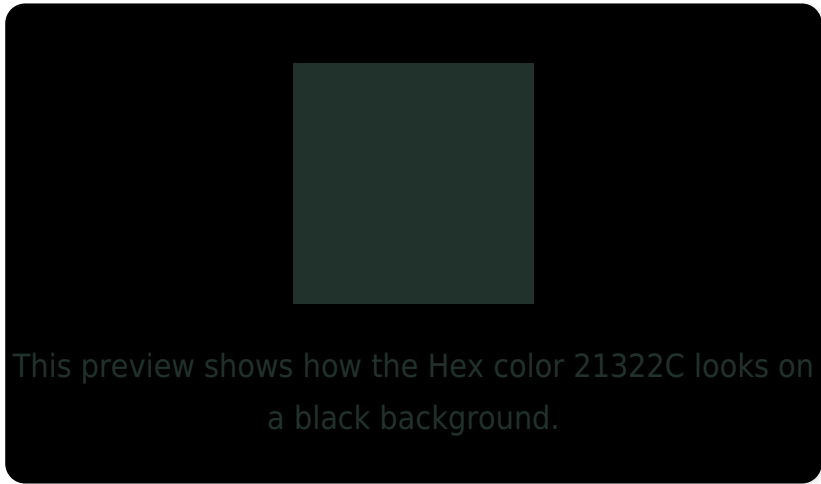
Large Text (above 18pt) WCAG AA ✓ Pass

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

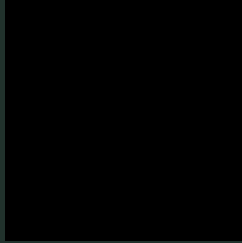
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 21322C Background



This preview shows how black text looks on a background with the Hex color 21322C.



This preview shows how white text looks on a background with the Hex color 21322C.

# 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](#).

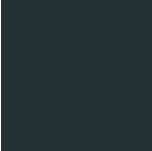
## Dichromacy



**Original Color**  
21322C

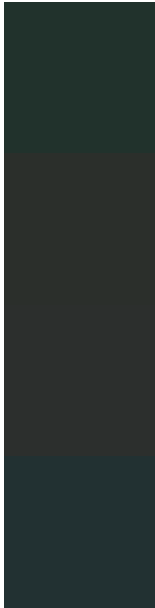
**Protanopia**  
302E2A

**Deuteranopia**  
332D2D



**Tritanopia**  
233135

# Trichromacy



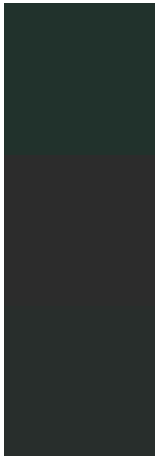
**Original Color**  
21322C

**Protanomaly**  
2B2F2B

**Deuteranomaly**  
2C2F2D

**Tritanomaly**  
223132

# Monochromacy



**Original Color**  
21322C

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
282E2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21322C 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 #21322C looks like.

```
.text, #text, p{  
    color:#21322C  
}
```

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 #21322C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21322C
}
```

## Border

The CSS property to change the border of an element to Hex 21322C is called "border". The border property can be set on classes, ids or directly on the HTML element.

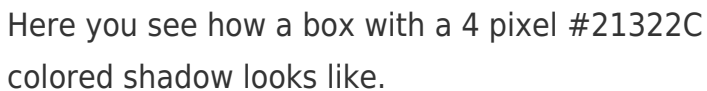
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#21322C }
```

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

```
.border{ border-color:#21322C }
```

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



Here you see how a box with a 4 pixel #21322C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21322C; -webkit-box-shadow:4px 4px  
4px 4px #21322C; box-shadow:4px 4px 4px  
4px #21322C }
```

# Background

The CSS property to change the background color of an element to Hex 21322C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21322C }
```

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

```
.background{ background-color:#21322C }
```

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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