

# Converting Colors

Hex(222521)

Have a look what the booklet for  
Hex(222521) contains.

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# Color

**Hex(222521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	222521
RGB	34, 37, 33
RGB Percent	13%, 15%, 13%
CMY	0.8667, 0.8549, 0.8706
CMYK	0.08, 0.00, 0.11, 0.85
HSL	105°, 6%, 14%
HSV	105°, 11%, 15%
XYZ	1.5958, 1.7730, 1.6970
YIQ	35.6470, -0.5040, -1.8800

# Conversions

## Conversions Part 2

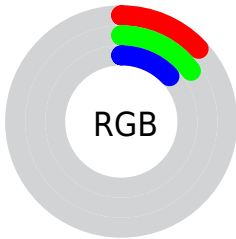
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 37, 36
Decimal	2237729
CIELab	14.25, -2.35, 2.19
CIELCh	14, 3.214, 136.946
Yxy	1.7730, 0.3150, 0.3500
Android (android.graphics.Color)	4280427809 (0xFF222521)
YUV	35.6470, -1.3050, -1.4444
Hunter-Lab	13.3155, -1.9101, 1.7648

# Details

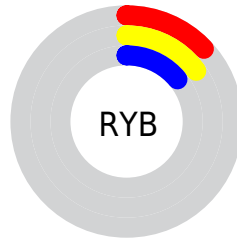
The Hex color **222521** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **242125**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **4E524D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1F251D**, and if you desaturate by 10%, it is **252525**.

# Distribution



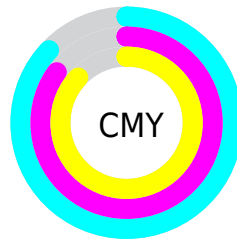
- Red (13%)
- Green (15%)
- Blue (13%)



- Red (13%)
- Yellow (15%)
- Blue (14%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (85%)



- Cyan (87%)
- Magenta (85%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 222521 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 222521 by changing the saturation by 10% instead.



■ 222521

■ 222521

FFFFFF

■ 0C100A

■ 4E524D

■ 000000

■ 666A65

■ 7F837E

■ 999D98

■ B4B8B2

■ CFD3CE

■ ECF0EA

■ 222521

■ 222521

■ 1F251D

■ 252525

■ 1C251A

■ 282528

■ 1A2516

■ 2A252C

■ 172512

■ 2D2530

■ 14250F

■ 302534

■ 11250B

■ 332537

■ 0F2507

■ 35253B

■ 0C2503

■ 38253F

■ 092500

■ 3B2542

# Harmonies

## Analogous

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



252420



222521



202523

# Triad

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



222521



212528



292323

# Complementary

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



222521



242125

# 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.



282325



222521



232428

# Square

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



222521



1F2527



262327



292321

# Rectangle

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



222521



1F2525



262327



292324



# Sweetspot

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



222521



2F302F



252421



191A18



999999



1A1A1A



# Same Dimension

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



222521



2C302A



212522



111210



145200



34D100



# Inverse Universe

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



242125



2F2A30



252124



111012



3D0052

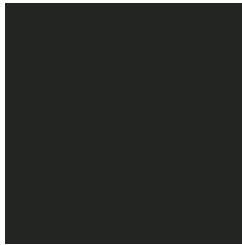


9D00D1



# Previews

## White Background



This preview shows how the Hex color 222521 looks on a white background.

## Color Contrast Check

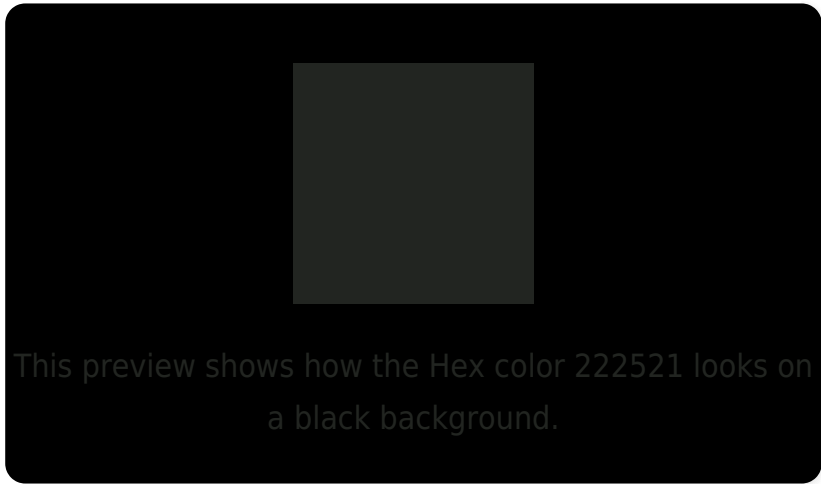
Large Text (above 18pt) WCAG AA ✓ Pass

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

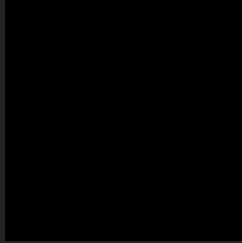
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

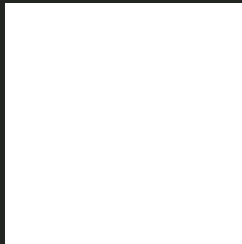
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 222521 Background



This preview shows how black text looks on a background with the Hex color 222521.

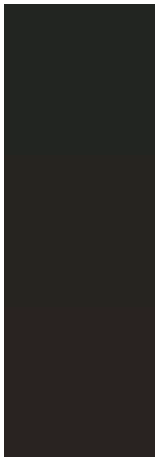


This preview shows how white text looks on a background with the Hex color 222521.

# 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**  
222521

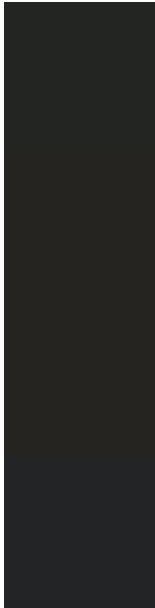
**Protanopia**  
262420

**Deuteranopia**  
292321



**Tritanopia**  
232427

# Trichromacy



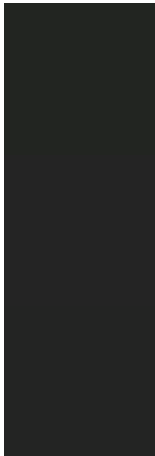
**Original Color**  
222521

**Protanomaly**  
252420

**Deuteranomaly**  
262421

**Tritanomaly**  
232425

# Monochromacy



**Original Color**  
222521

**Achromatopsia**  
242424

**Achromatomaly**  
232423

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 222521 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 #222521 looks like.

```
.text, #text, p{  
    color:#222521  
}
```

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 #222521 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #222521
}
```

## Border

The CSS property to change the border of an element to Hex 222521 is called "border". The border property can be set on classes, ids or directly on the HTML element.

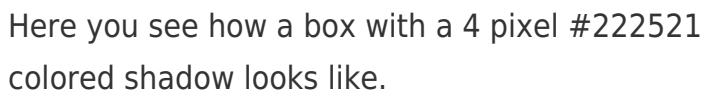
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#222521 }
```

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

```
.border{ border-color:#222521 }
```

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



Here you see how a box with a 4 pixel #222521 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #222521; -webkit-box-shadow:4px 4px  
4px 4px #222521; box-shadow:4px 4px 4px  
4px #222521 }
```

# Background

The CSS property to change the background color of an element to Hex 222521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#222521 }
```

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

```
.background{ background-color:#222521 }
```

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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