

# Converting Colors

Hex(17223A)

Have a look what the booklet for  
Hex(17223A) contains.

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# Color

**Hex(17223A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17223A
RGB	23, 34, 58
RGB Percent	9%, 13%, 23%
CMY	0.9098, 0.8667, 0.7725
CMYK	0.60, 0.41, 0.00, 0.77
HSL	221°, 43%, 16%
HSV	221°, 60%, 23%
XYZ	1.6891, 1.6317, 4.2289
YIQ	33.4470, -14.2600, 5.1320

# Conversions

## Conversions Part 2

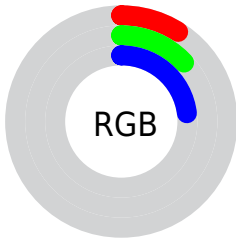
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 31, 58
Decimal	1516090
CIE <sub>Lab</sub>	13.42, 3.66, -17.00
CIE <sub>LCh</sub>	13, 17.393, 282.150
Yxy	1.6317, 0.2237, 0.2161
Android (android.graphics.Color)	4279706170 (0xFF17223A)
YUV	33.4470, 12.1046, -9.1620
Hunter-Lab	12.7738, 1.2491, -10.6870

# Details

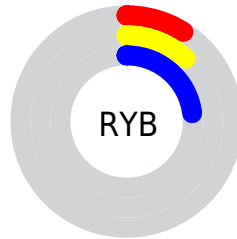
The Hex color **17223A** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3A2F17**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **454E69**, and **00010D** is the 20% darker color. If you saturate the color by 10%, you get **111E3A**, and if you desaturate by 10%, it is **1D263A**.

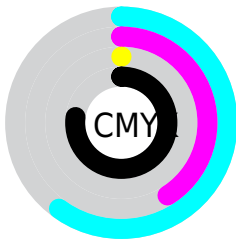
# Distribution



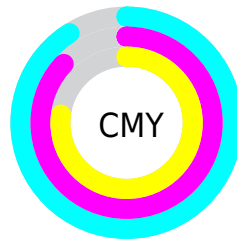
- Red (9%)
- Green (13%)
- Blue (23%)



- Red (9%)
- Yellow (12%)
- Blue (23%)



- Cyan (60%)
- Magenta (41%)
- Yellow (0%)
- Black (77%)



- Cyan (91%)
- Magenta (87%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 17223A 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 17223A by changing the saturation by 10% instead.



■ 17223A

■ 17223A

FFFFFF

■ 000B24

■ 454E69

■ 00010D

■ 5D6683

■ 000000

■ 767F9D

■ 9099B8

■ ABB4D3

■ C6CFF0

■ E3EBFF

■ 17223A

■ 17223A

■ 111E3A

■ 1D263A

■ 0B1A3A

■ 232A3A

■ 06163A

■ 282E3A

■ 00123A

■ 2E323A

■ 34363A

■ 3A3A3A

■ 403E3A

■ 45423A

■ 4B463A

# Harmonies

## Analogous

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



002639



17223A



2A1D34

# Triad

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



17223A



371B13



05281B

# Complementary

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



17223A



3A2F17

# 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.



18260F



17223A



301F08

# Square

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



17223A



39181E



252307



002927

# Rectangle

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



17223A



321A2E



252307



0C2817



# Sweetspot

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



17223A



3F434D



173A2F



1E2026



A6A6A6



262626



# Same Dimension

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



17223A



15274D



1D173A



191A1C



001D5C



0045DB



# Inverse Universe

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



3A1722



4D1527



343A17



1C191A



5C001D



DB0045



# Previews

## White Background



This preview shows how the Hex color 17223A looks on a white background.

## Color Contrast Check

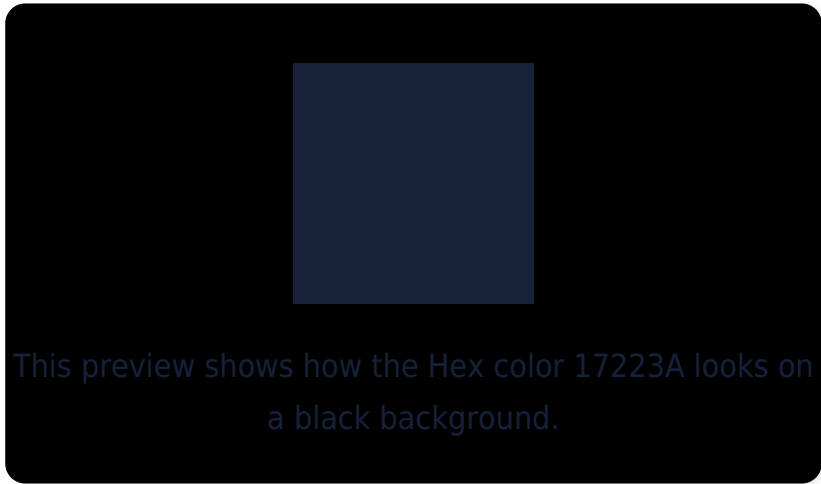
Large Text (above 18pt) WCAG AA ✓ Pass

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

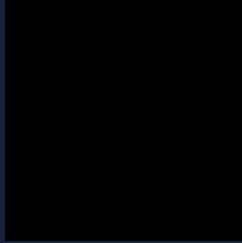
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 17223A Background



This preview shows how black text looks on a background with the Hex color 17223A.



This preview shows how white text looks on a background with the Hex color 17223A.

# 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**  
17223A

**Protanopia**  
19223A

**Deuteranopia**  
13233A



**Tritanopia**  
0F2629

# Trichromacy



**Original Color**  
17223A

**Protanomaly**  
18223A

**Deuteranomaly**  
14233A

**Tritanomaly**  
12252F

# Monochromacy



**Original Color**  
17223A

**Achromatopsia**  
212121

**Achromatomaly**  
1D212A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 17223A 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 #17223A looks like.

```
.text, #text, p{  
    color:#17223A  
}
```

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 #17223A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #17223A
}
```

## Border

The CSS property to change the border of an element to Hex 17223A is called "border". The border property can be set on classes, ids or directly on the HTML element.

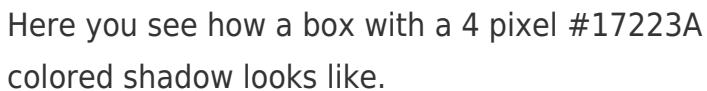
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#17223A }
```

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

```
.border{ border-color:#17223A }
```

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



Here you see how a box with a 4 pixel #17223A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #17223A; -webkit-box-shadow:4px 4px  
4px 4px #17223A; box-shadow:4px 4px 4px  
4px #17223A }
```

# Background

The CSS property to change the background color of an element to Hex 17223A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#17223A }
```

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

```
.background{ background-color:#17223A }
```

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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