

# Converting Colors

Hex(223A23)

Have a look what the booklet for  
Hex(223A23) contains.

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# Color

Hex(223A23)

# Conversions

## Conversions Part 1

Format	Color
Hex	223A23
RGB	34, 58, 35
RGB Percent	13%, 23%, 14%
CMY	0.8667, 0.7725, 0.8627
CMYK	0.41, 0.00, 0.40, 0.77
HSL	123°, 26%, 18%
HSV	123°, 41%, 23%
XYZ	2.4761, 3.4875, 2.1328
YIQ	48.2020, -6.9210, -12.2410

# Conversions

## Conversions Part 2

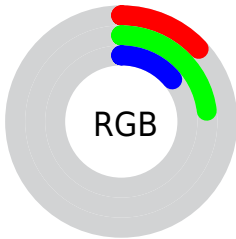
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 57, 58
Decimal	2243107
CIE <sub>Lab</sub>	21.90, -15.14, 11.43
CIE <sub>LCh</sub>	22, 18.968, 142.940
Yxy	3.4875, 0.3058, 0.4308
Android (android.graphics.Color)	4280433187 (0xFF223A23)
YUV	48.2020, -6.5086, -12.4552
Hunter-Lab	18.6750, -9.0138, 6.3013




# Details

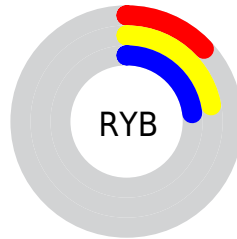
The Hex color **223A23** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3A2239**, and the grayscale version is **303030**.




A 20% lighter version of the original color is **506950**, and **000D00** is the 20% darker color. If you saturate the color by 10%, you get **1C3A1D**, and if you desaturate by 10%, it is **283A29**.

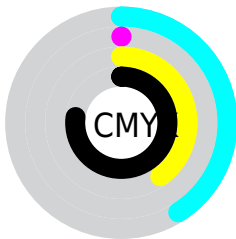
# Distribution







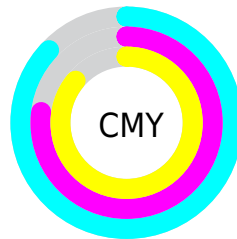
-  Red (13%)
-  Green (23%)
-  Blue (14%)






-  Red (13%)
-  Yellow (22%)
-  Blue (23%)



-  Cyan (41%)
-  Magenta (0%)
-  Yellow (40%)
-  Black (77%)



-  Cyan (87%)
-  Magenta (77%)
-  Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 223A23 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 223A23 by changing the saturation by 10% instead.



 223A23

 223A23

FFFFFF


 0D240E

 506950

 000D00

 688368

 000000

 819D81

 9CB89B

 B7D3B6

 D2F0D1

 EFFFEE

 223A23

 223A23

■ 1C3A1D

■ 283A29

■ 163A18

■ 2E3A2E

■ 113A12

■ 333A34

■ 0B3A0D

■ 393A39

■ 053A07

■ 3F3A3F

■ 003A02

■ 453A44

■ 4B3A4A

■ 503A4F

■ 563A55

# Harmonies

## Analogous

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



32371A



223A23



0C3C31

# Triad

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



223A23



173750



4F2A2A

# Complementary

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



223A23



3A2239

# 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.



4D2938



223A23



31324E

# Square

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



223A23



003A4A



432D46



4A2E1F

# Rectangle

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



223A23



003C3A



432D46



4F292F



# Sweetspot

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



223A23



434D44



393A22



212621



A6A6A6



262626



# Same Dimension

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



223A23



264D28



223A2F



191C19



005C04



00DB09



# Inverse Universe

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



3A2239



4D264B



3A222D



1C191C



5C0058



DB00D2



# Previews

## White Background



This preview shows how the Hex color 223A23 looks on a white background.

## Color Contrast Check

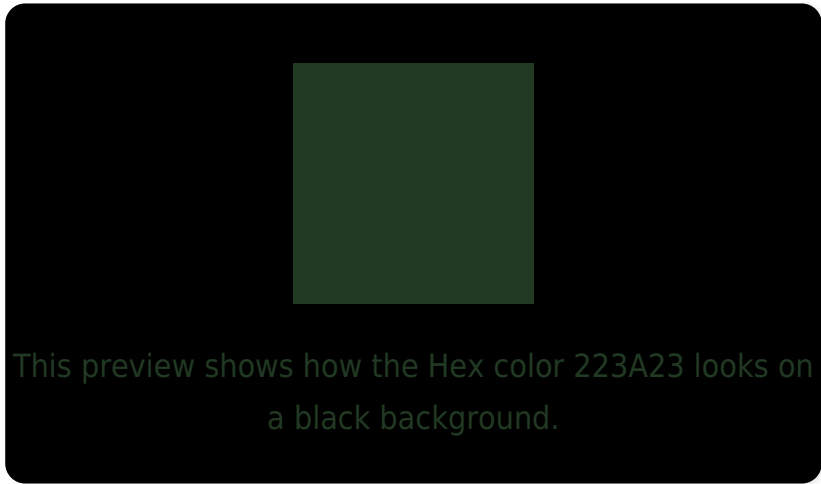
Large Text (above 18pt) WCAG AA ✓ Pass

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

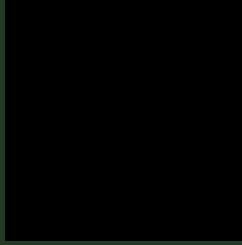
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 223A23 Background



This preview shows how black text looks on a background with the Hex color 223A23.



This preview shows how white text looks on a background with the Hex color 223A23.

# 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](#).

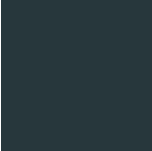
## Dichromacy



**Original Color**  
223A23

**Protanopia**  
393421

**Deuteranopia**  
3E3225



**Tritanopia**  
27373C

# Trichromacy



**Original Color**  
223A23

**Protanomaly**  
313622

**Deuteranomaly**  
343524

**Tritanomaly**  
253833

# Monochromacy



**Original Color**  
223A23

**Achromatopsia**  
303030

**Achromatomaly**  
2B342B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 223A23 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 #223A23 looks like.

```
.text, #text, p{  
    color:#223A23  
}
```

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 #223A23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #223A23
}
```

## Border

The CSS property to change the border of an element to Hex 223A23 is called "border". The border property can be set on classes, ids or directly on the HTML element.

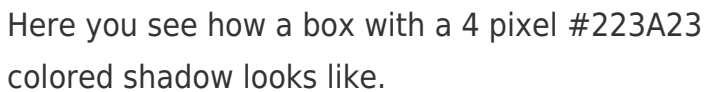
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#223A23 }
```

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

```
.border{ border-color:#223A23 }
```

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



Here you see how a box with a 4 pixel #223A23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #223A23; -webkit-box-shadow:4px 4px  
4px 4px #223A23; box-shadow:4px 4px 4px  
4px #223A23 }
```

# Background

The CSS property to change the background color of an element to Hex 223A23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#223A23 }
```

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

```
.background{ background-color:#223A23 }
```

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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