

# Converting Colors

Hex(223D13)

Have a look what the booklet for  
Hex(223D13) contains.

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# Color

**Hex(223D13)**

# Conversions

## Conversions Part 1

Format	Color
Hex	223D13
RGB	34, 61, 19
RGB Percent	13%, 24%, 7%
CMY	0.8667, 0.7608, 0.9255
CMYK	0.44, 0.00, 0.69, 0.76
HSL	99°, 53%, 16%
HSV	99°, 69%, 24%
XYZ	2.4460, 3.7246, 1.2061
YIQ	48.1390, -2.6100, -18.7860

# Conversions

## Conversions Part 2

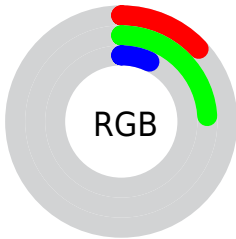
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 61, 46
Decimal	2243859
CIE <sub>Lab</sub>	22.74, -19.36, 22.21
CIE <sub>LCh</sub>	23, 29.463, 131.081
Y <sub>xy</sub>	3.7246, 0.3316, 0.5049
Android (android.graphics.Color)	4280433939 (0xFF223D13)
YUV	48.1390, -14.3655, -12.3999
Hunter-Lab	19.2992, -11.1505, 9.8041

# Details

The Hex color **223D13** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **2E133D**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **516D3F**, and **001100** is the 20% darker color. If you saturate the color by 10%, you get **1E3D0D**, and if you desaturate by 10%, it is **263D19**.

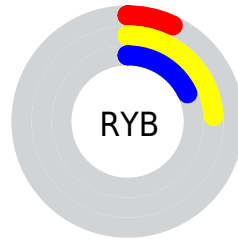
# Distribution



Red (13%)

Green (24%)

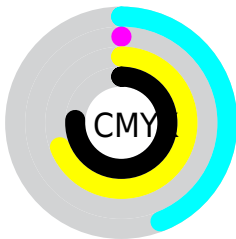
Blue (7%)



Red (7%)

Yellow (24%)

Blue (18%)

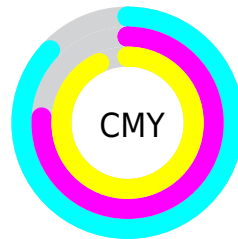


Cyan (44%)

Magenta (0%)

Yellow (69%)

Black (76%)



Cyan (87%)

Magenta (76%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 223D13 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 223D13 by changing the saturation by 10% instead.



 223D13

 223D13

 FFFFF7

 0F2700

 516D3F

 001100

 6A8657

 000000

 83A070

 9EBB89

 B9D7A4

 D5F4BF

 F1FFDB

 223D13

 223D13

■ 1E3D0D

■ 263D19

■ 1A3D07

■ 2A3D1F

■ 163D01

■ 2E3D25

■ 163D00

■ 323D2B

■ 363D31

■ 3A3D38

■ 3D3D3E

■ 413D44

■ 453D4A

# Harmonies

## Analogous

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



3A3806



223D13



004027

# Triad

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



223D13



003C60



5E222F

# Complementary

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



223D13



2E133D

# 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.



572445



223D13



1A3661

# Square

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



223D13



004053



422D58



5A271A

# Rectangle

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



223D13



004136



422D58



5D2236



# Sweetspot

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



223D13



444F3E



3D2E13



22291F



A8A8A8



292929



# Same Dimension

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



223D13



254F0D



133D19



1D1F1C



225E00



4FDE00



# Inverse Universe

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



2E133D



380D4F



3D1337



1E1C1F



3D005E

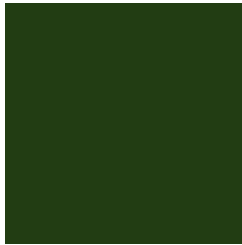


8F00DE



# Previews

## White Background



This preview shows how the Hex color 223D13 looks on a white background.

## Color Contrast Check

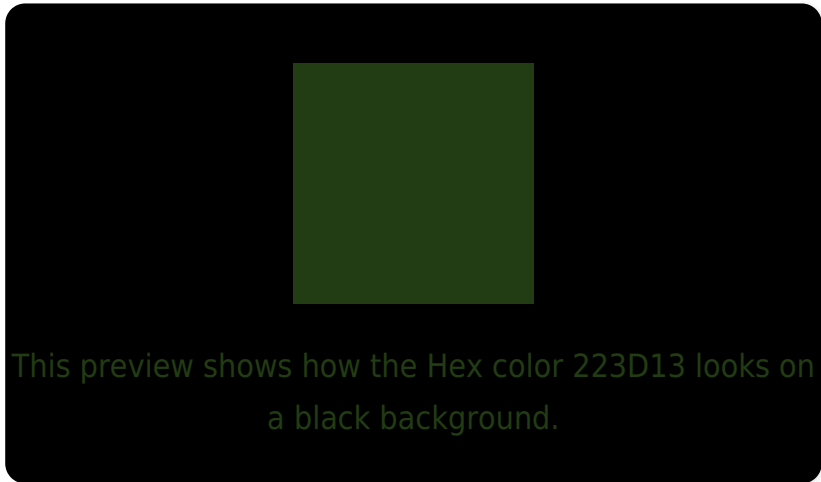
Large Text (above 18pt) WCAG AA ✓ Pass

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

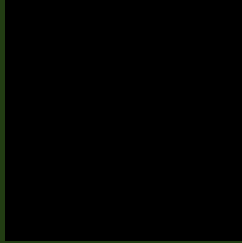
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 223D13 Background



This preview shows how black text looks on a background with the Hex color 223D13.



This preview shows how white text looks on a background with the Hex color 223D13.

# 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](#).

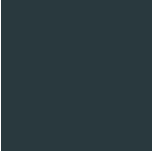
## Dichromacy



**Original Color**  
223D13

**Protanopia**  
3D3611

**Deuteranopia**  
433416



**Tritanopia**  
29393E

# Trichromacy



**Original Color**  
223D13

**Protanomaly**  
333912

**Deuteranomaly**  
373715

**Tritanomaly**  
263A2E

# Monochromacy



**Original Color**  
223D13

**Achromatopsia**  
303030

**Achromatomaly**  
2B3525

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 223D13 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 #223D13 looks like.

```
.text, #text, p{  
    color:#223D13  
}
```

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 #223D13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #223D13
}
```

## Border

The CSS property to change the border of an element to Hex 223D13 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".

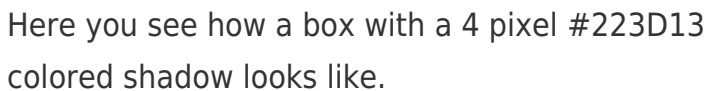
```
.border, #border, table{ border:4px solid
#223D13 }
```

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

```
.border{ border-color:#223D13 }
```

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

Here you see how a box with a 4 pixel #223D13 colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #223D13; -webkit-box-shadow:4px 4px  
4px 4px #223D13; box-shadow:4px 4px 4px  
4px #223D13 }
```

# Background

The CSS property to change the background color of an element to Hex 223D13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#223D13 }
```

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

```
.background{ background-color:#223D13 }
```

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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