

# Converting Colors

Hex(223A12)

Have a look what the booklet for  
Hex(223A12) contains.

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# Color

Hex(223A12)

# Conversions

## Conversions Part 1

Format	Color
Hex	223A12
RGB	34, 58, 18
RGB Percent	13%, 23%, 7%
CMY	0.8667, 0.7725, 0.9294
CMYK	0.41, 0.00, 0.69, 0.77
HSL	96°, 53%, 15%
HSV	96°, 69%, 23%
XYZ	2.2819, 3.4099, 1.1102
YIQ	46.2640, -1.4640, -17.5280

# Conversions

## Conversions Part 2

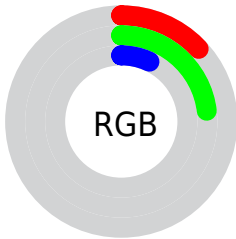
Format	Color
<a href="#">RYB</a>	<a href="#">18, 58, 42</a>
Decimal	<a href="#">2243090</a>
CIELab	<a href="#">21.62, -17.90, 21.49</a>
CIElCh	<a href="#">22, 27.963, 129.790</a>
Yxy	<a href="#">3.4099, 0.3355, 0.5013</a>
Android (android.graphics.Color)	<a href="#">4280433170 (0xFF223A12)</a>
YUV	<a href="#">46.2640, -13.9342, -10.7555</a>
Hunter-Lab	<a href="#">18.4658, -10.2569, 9.3616</a>

# Details

The Hex color **223A12** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **2A123A**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **50693E**, and **000B00** is the 20% darker color. If you saturate the color by 10%, you get **1F3A0C**, and if you desaturate by 10%, it is **253A18**.

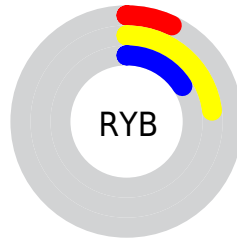
# Distribution



Red (13%)

Green (23%)

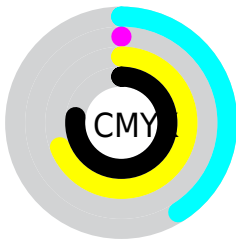
Blue (7%)



Red (7%)

Yellow (23%)

Blue (16%)

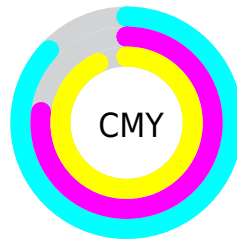


Cyan (41%)

Magenta (0%)

Yellow (69%)

Black (77%)



Cyan (87%)

Magenta (77%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 223A12 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 223A12 by changing the saturation by 10% instead.



 223A12

 223A12

 FFFFF6

 0F2400

 50693E

 000B00

 698356

 000000

 839D6E

 9DB888

 B8D3A2

 D4F0BD

 F1FFD9

 223A12

 223A12

■ 1F3A0C

■ 253A18

■ 1B3A06

■ 293A1E

■ 183A01

■ 2C3A23

■ 173A00

■ 303A29

■ 333A2F

■ 373A35

■ 3A3A3B

■ 3E3A40

■ 413A46

# Harmonies

## Analogous

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



393506



223A12



003D25

# Triad

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



223A12



003A5A



59212E

# Complementary

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



223A12



2A123A

# 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.



522343



223A12



17345D

# Square

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



223A12



003D4E



3E2B54



56251A

# Rectangle

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



223A12



003E33



3E2B54



582135



# Sweetspot

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



223A12



434D3C



3A2A12



21261D



A6A6A6



262626



# Same Dimension

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



223A12



264D0D



123A16



1A1C19



255C00



58DB00



# Inverse Universe

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



2A123A



330D4D



3A1236



1B191C



37005C

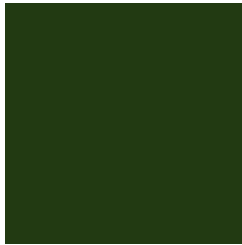


8400DB



# Previews

## White Background



This preview shows how the Hex color 223A12 looks on a white background.

## Color Contrast Check

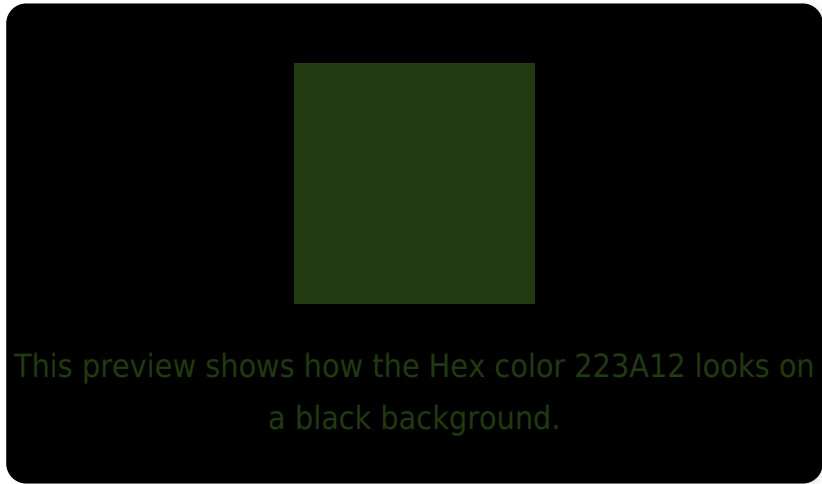
Large Text (above 18pt) WCAG AA ✓ Pass

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

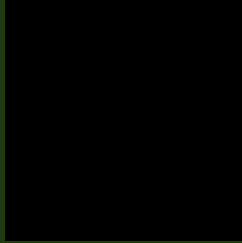
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 223A12 Background



This preview shows how black text looks on a background with the Hex color 223A12.



This preview shows how white text looks on a background with the Hex color 223A12.

# 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**  
223A12

**Protanopia**  
3A3410

**Deuteranopia**  
403115



**Tritanopia**  
28363B

# Trichromacy



**Original Color**  
223A12

**Protanomaly**  
313611

**Deuteranomaly**  
353414

**Tritanomaly**  
26372C

# Monochromacy



**Original Color**  
223A12

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
2A3224

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 223A12 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 #223A12 looks like.

```
.text, #text, p{  
    color:#223A12  
}
```

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 #223A12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #223A12
}
```

## Border

The CSS property to change the border of an element to Hex 223A12 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".

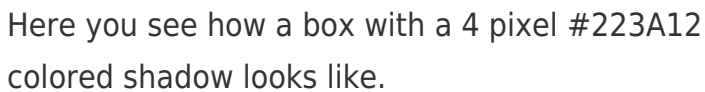
```
.border, #border, table{ border:4px solid
#223A12 }
```

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

```
.border{ border-color:#223A12 }
```

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

Here you see how a box with a 4 pixel #223A12 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 #223A12; -webkit-box-shadow:4px 4px  
4px 4px #223A12; box-shadow:4px 4px 4px  
4px #223A12 }
```

# Background

The CSS property to change the background color of an element to Hex 223A12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#223A12 }
```

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

```
.background{ background-color:#223A12 }
```

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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