

# Converting Colors

Hex(223E1F)

Have a look what the booklet for  
Hex(223E1F) contains.

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# Color

Hex(223E1F)

# Conversions

## Conversions Part 1

Format	Color
Hex	223E1F
RGB	34, 62, 31
RGB Percent	13%, 24%, 12%
CMY	0.8667, 0.7569, 0.8784
CMYK	0.45, 0.00, 0.50, 0.76
HSL	114°, 33%, 18%
HSV	114°, 50%, 24%
XYZ	2.6296, 3.8843, 1.9075
YIQ	50.0940, -6.7370, -15.5770

# Conversions

## Conversions Part 2

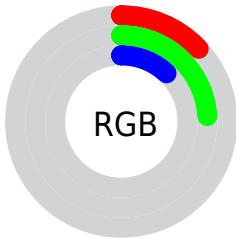
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 62, 59
Decimal	2244127
CIE <sub>Lab</sub>	23.29, -18.11, 15.79
CIE <sub>LCh</sub>	23, 24.025, 138.912
Y <sub>xy</sub>	3.8843, 0.3123, 0.4612
Android (android.graphics.Color)	4280434207 (0xFF223E1F)
Y <sub>UV</sub>	50.0940, -9.4133, -14.1144
Hunter-Lab	19.7085, -10.6733, 8.0577

# Details

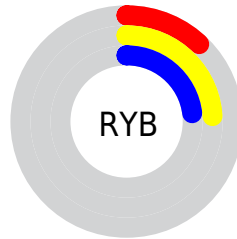
The Hex color **223E1F** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3B1F3E**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **506E4B**, and **001400** is the 20% darker color. If you saturate the color by 10%, you get **1C3E19**, and if you desaturate by 10%, it is **283E25**.

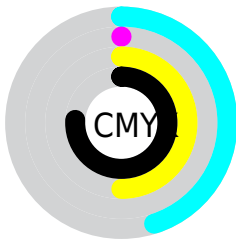
# Distribution



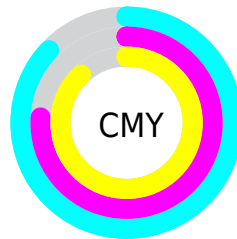
- Red (13%)
- Green (24%)
- Blue (12%)



- Red (12%)
- Yellow (24%)
- Blue (23%)



- Cyan (45%)
- Magenta (0%)
- Yellow (50%)
- Black (76%)



- Cyan (87%)
- Magenta (76%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 223E1F 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 223E1F by changing the saturation by 10% instead.





223E1F



223E1F

FFFFFF



0D2808



506E4B



001400



698764



000000



82A27D



9DBD96



B8D8B1



D4F5CD



F0FFE9



223E1F



223E1F

■ 1C3E19

■ 283E25

■ 173E13

■ 2D3E2B

■ 113E0C

■ 333E32

■ 0C3E06

■ 383E38

■ 063E00

■ 3E3E3E

■ 443E44

■ 493E4A

■ 4F3E51

■ 543E57

# Harmonies

## Analogous

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



373A14



223E1F



004030

# Triad

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



223E1F



003B5B



59292D

# Complementary

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



223E1F



3B1F3E

# 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.



55293F



223E1F



2E3559

# Square

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



223E1F



003F52



472E4F



542E1D

# Rectangle

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



223E1F



00413C



472E4F



592833



# Sweetspot

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



223E1F



475245



3E3B1F



222921



A8A8A8



292929



# Same Dimension

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



223E1F



255221



1F3E2B



1C1F1C



095E00



15DE00



# Inverse Universe

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



3B1F3E



4D2152



3E1F32



1E1C1F



55005E

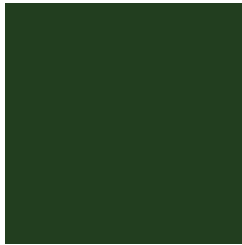


C800DE



# Previews

## White Background



This preview shows how the Hex color 223E1F looks on a white background.

## Color Contrast Check

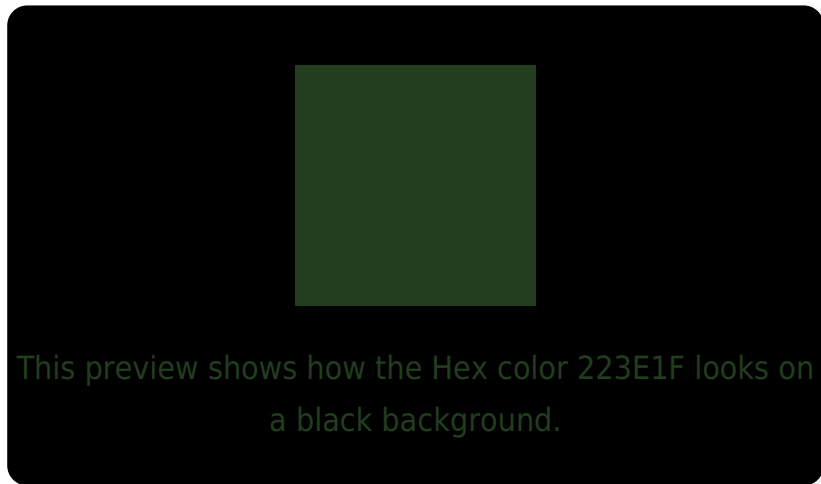
Large Text (above 18pt) WCAG AA ✓ Pass

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

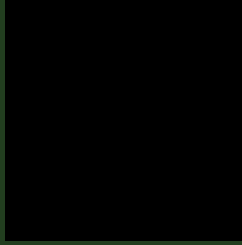
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 223E1F Background



This preview shows how black text looks on a background with the Hex color 223E1F.



This preview shows how white text looks on a background with the Hex color 223E1F.

# 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**  
223E1F

**Protanopia**  
3D371D

**Deuteranopia**  
433521



**Tritanopia**  
283A3F

# Trichromacy



**Original Color**  
223E1F

**Protanomaly**  
333A1E

**Deuteranomaly**  
373820

**Tritanomaly**  
263B33

# Monochromacy



**Original Color**  
223E1F

**Achromatopsia**  
323232

**Achromatomaly**  
2C362B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 223E1F 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 #223E1F looks like.

```
.text, #text, p{  
    color:#223E1F  
}
```

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 #223E1F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #223E1F
}
```

## Border

The CSS property to change the border of an element to Hex 223E1F 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".

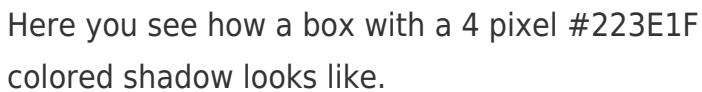
```
.border, #border, table{ border:4px solid
#223E1F }
```

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

```
.border{ border-color:#223E1F }
```

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

Here you see how a box with a 4 pixel #223E1F 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 #223E1F; -webkit-box-shadow:4px 4px  
4px 4px #223E1F; box-shadow:4px 4px 4px  
4px #223E1F }
```

# Background

The CSS property to change the background color of an element to Hex 223E1F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#223E1F }
```

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

```
.background{ background-color:#223E1F }
```

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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