

# Converting Colors

Hex(223F24)

Have a look what the booklet for  
Hex(223F24) contains.

<b>Hex(223F24)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(223F24)

# Conversions

## Conversions Part 1

Format	Color
Hex	223F24
RGB	34, 63, 36
RGB Percent	13%, 25%, 14%
CMY	0.8667, 0.7529, 0.8588
CMYK	0.46, 0.00, 0.43, 0.75
HSL	124°, 30%, 19%
HSV	124°, 46%, 25%
XYZ	2.7556, 4.0225, 2.3002
YIQ	51.2510, -8.6170, -14.5450

# Conversions

## Conversions Part 2

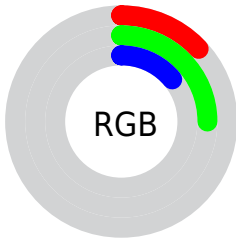
Format	Color
<a href="#">RYB</a>	<a href="#">34, 61, 63</a>
Decimal	<a href="#">2244388</a>
CIELab	<a href="#">23.75, -17.71, 13.24</a>
CIELCh	<a href="#">24, 22.115, 143.229</a>
Yxy	<a href="#">4.0225, 0.3035, 0.4431</a>
Android (android.graphics.Color)	<a href="#">4280434468 (0xFF223F24)</a>
YUV	<a href="#">51.2510, -7.5187, -15.1291</a>
Hunter-Lab	<a href="#">20.0561, -10.5729, 7.2393</a>

# Details

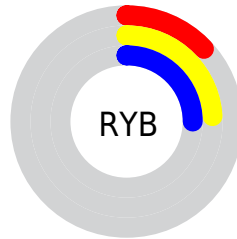
The Hex color **223F24** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3F223D**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **506F51**, and **001600** is the 20% darker color. If you saturate the color by 10%, you get **1C3F1E**, and if you desaturate by 10%, it is **283F2A**.

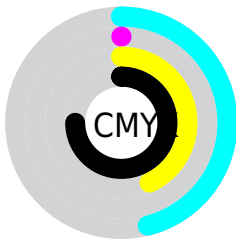
# Distribution



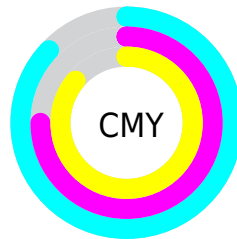
- Red (13%)
- Green (25%)
- Blue (14%)



- Red (13%)
- Yellow (24%)
- Blue (25%)



- Cyan (46%)
- Magenta (0%)
- Yellow (43%)
- Black (75%)



- Cyan (87%)
- Magenta (75%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 223F24 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 223F24 by changing the saturation by 10% instead.





223F24



223F24

FFFFFF



0C290F



506F51



001600



698869



000000



82A382



9DBE9C



B8DAB7



D3F6D3



F0FFE0



223F24



223F24

■ 1C3F1E

■ 283F2A

■ 153F18

■ 2F3F30

■ 0F3F12

■ 353F36

■ 093F0D

■ 3B3F3B

■ 033F07

■ 423F41

■ 003F04

■ 483F47

■ 4E3F4D

■ 543F53

■ 5B3F59

# Harmonies

## Analogous

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



363B19



223F24



034134

# Triad

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



223F24



123B59



582C2C

# Complementary

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



223F24



3F223D

# 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.



552B3D



223F24



343657

# Square

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



223F24



003F53



492F4D



52301E

# Rectangle

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



223F24



004140



492F4D



582B32



# Sweetspot

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



223F24



465247



3D3F22



222922



A8A8A8



292929



# Same Dimension

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



223F24



255228



223F32



1C1F1C



005E07



00DE0F



# Inverse Universe

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



3F223D



52254F



3F222F



1F1C1E



5E0058

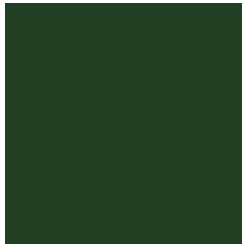


DE00CF



# Previews

## White Background



This preview shows how the Hex color 223F24 looks on a white background.

## Color Contrast Check

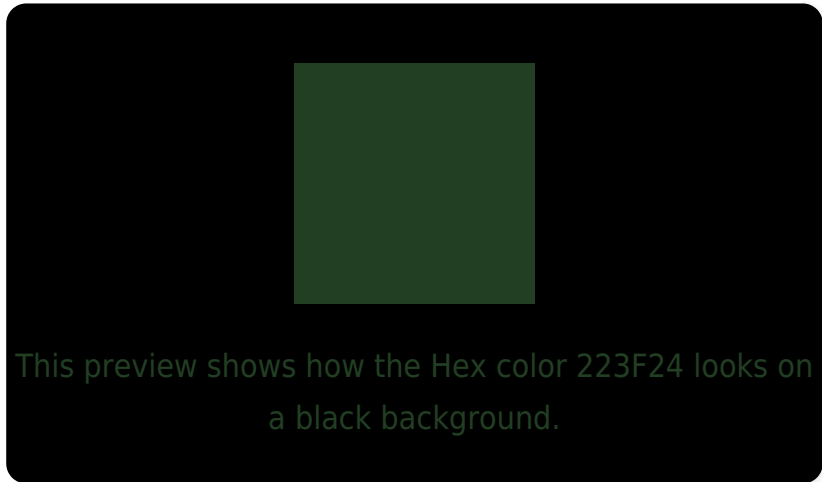
Large Text (above 18pt) WCAG AA ✓ Pass

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

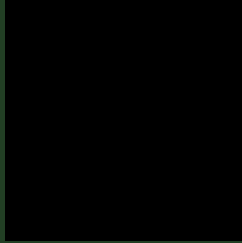
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 223F24 Background



This preview shows how black text looks on a background with the Hex color 223F24.



This preview shows how white text looks on a background with the Hex color 223F24.

# 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**  
223F24

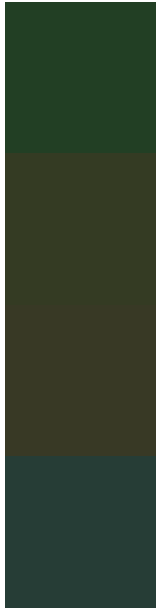
**Protanopia**  
3E3822

**Deuteranopia**  
443626



**Tritanopia**  
283C40

# Trichromacy



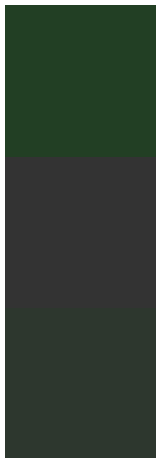
**Original Color**  
223F24

**Protanomaly**  
343B23

**Deuteranomaly**  
383925

**Tritanomaly**  
263D36

# Monochromacy



**Original Color**  
223F24

**Achromatopsia**  
333333

**Achromatomaly**  
2D372E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 223F24 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 #223F24 looks like.

```
.text, #text, p{  
    color:#223F24  
}
```

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 #223F24 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #223F24
}
```

## Border

The CSS property to change the border of an element to Hex 223F24 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
#223F24 }
```

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

```
.border{ border-color:#223F24 }
```

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

Here you see how a box with a 4 pixel #223F24 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #223F24; -webkit-box-shadow:4px 4px  
4px 4px #223F24; box-shadow:4px 4px 4px  
4px #223F24 }
```

# Background

The CSS property to change the background color of an element to Hex 223F24 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#223F24 }
```

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

```
.background{ background-color:#223F24 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor