

# Converting Colors

Hex(223C44)

Have a look what the booklet for  
Hex(223C44) contains.

<b>Hex(223C44)</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(223C44)

# Conversions

## Conversions Part 1

Format	Color
Hex	223C44
RGB	34, 60, 68
RGB Percent	13%, 24%, 27%
CMY	0.8667, 0.7647, 0.7333
CMYK	0.50, 0.12, 0.00, 0.73
HSL	194°, 33%, 20%
HSV	194°, 50%, 27%
XYZ	3.3189, 3.9892, 6.0639
YIQ	53.1380, -18.0640, -3.0240

# Conversions

## Conversions Part 2

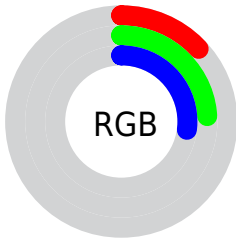
Format	Color
<b>RYB</b>	34, 49, 68
Decimal	2243652
CIELab	23.64, -7.42, -8.04
CIELCh	24, 10.938, 227.310
Yxy	3.9892, 0.2482, 0.2983
Android (android.graphics.Color)	4280433732 (0xFF223C44)
YUV	53.1380, 7.3270, -16.7840
Hunter-Lab	19.9729, -5.2908, -4.0198

# Details

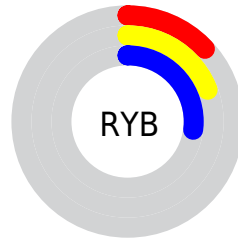
The Hex color **223C44** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **442A22**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **516B74**, and **001219** is the 20% darker color. If you saturate the color by 10%, you get **1B3A44**, and if you desaturate by 10%, it is **293E44**.

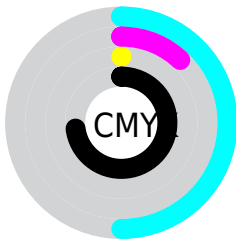
# Distribution



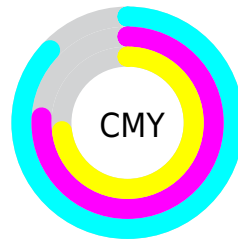
- Red (13%)
- Green (24%)
- Blue (27%)



- Red (13%)
- Yellow (19%)
- Blue (27%)



- Cyan (50%)
- Magenta (12%)
- Yellow (0%)
- Black (73%)



- Cyan (87%)
- Magenta (76%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 223C44 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 223C44 by changing the saturation by 10% instead.



■ 223C44

■ 223C44

FFFFFF

■ 0B262E

■ 516B74

■ 001219

■ 6A858E

■ 000000

■ 839FA8

■ 9EBAC3

■ B9D5DF

■ D5F2FC

■ F1FFFF

■ 223C44

■ 223C44

■ 1B3A44

■ 293E44

■ 143944

■ 303F44

■ 0E3744

■ 364144

■ 073644

■ 3D4244

■ 003444

■ 444444

■ 4B4644

■ 524744

■ 584944

■ 5F4A44

# Harmonies

## Analogous

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



213D3D



223C44



2A3A48

# Triad

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



223C44



46333C



393929

# Complementary

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



223C44



442A22

# 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.



423728



223C44



493234

# Square

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



223C44



3F3543



47342D



303B2D

# Rectangle

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



223C44



313848



47342D



3C3828



# Sweetspot

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



223C44



4C5659



22442A



262C2E



ADADAD



2E2E2E



# Same Dimension

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



223C44



244D59



222B44



1E2021



004A61



00ACE0



# Inverse Universe

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



44223C



59244D



443B22



211E20



61004A

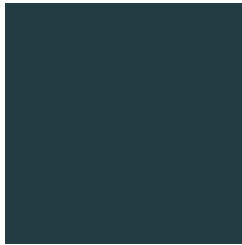


E000AC



# Previews

## White Background



This preview shows how the Hex color 223C44 looks on a white background.

## Color Contrast Check

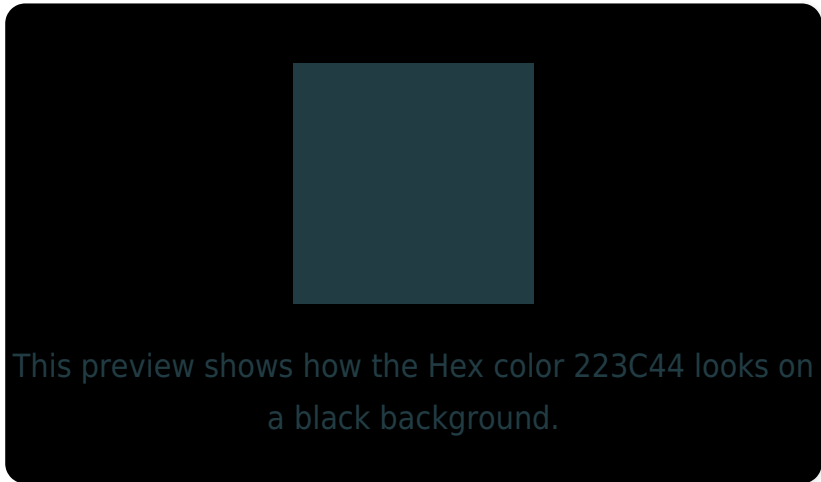
Large Text (above 18pt) WCAG AA ✓ Pass

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

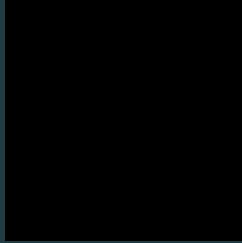
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

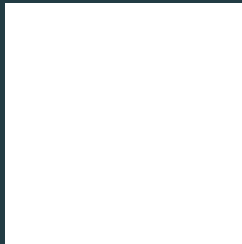
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 223C44 Background



This preview shows how black text looks on a background with the Hex color 223C44.



This preview shows how white text looks on a background with the Hex color 223C44.

# 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**  
223C44

**Protanopia**  
363841

**Deuteranopia**  
373745



**Tritanopia**  
213C41

# Trichromacy



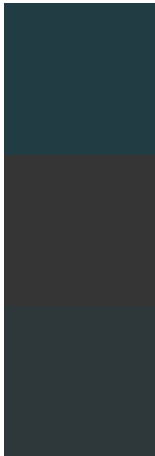
**Original Color**  
223C44

**Protanomaly**  
2F3942

**Deuteranomaly**  
2F3945

**Tritanomaly**  
213C42

# Monochromacy



**Original Color**  
223C44

**Achromatopsia**  
353535

**Achromatomaly**  
2E383A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 223C44 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 #223C44 looks like.

```
.text, #text, p{  
    color:#223C44  
}
```

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 #223C44 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #223C44  
}
```

## Border

The CSS property to change the border of an element to Hex 223C44 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  
#223C44 }
```

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

```
.border{ border-color:#223C44 }
```

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

Here you see how a box with a 4 pixel #223C44 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #223C44; -webkit-box-shadow:4px 4px  
4px 4px #223C44; box-shadow:4px 4px 4px  
4px #223C44 }
```

# Background

The CSS property to change the background color of an element to Hex 223C44 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#223C44 }
```

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

```
.background{ background-color:#223C44 }
```

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