

# Converting Colors

Hex(233E34)

Have a look what the booklet for  
Hex(233E34) contains.

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# Color

Hex(233E34)

# Conversions

## Conversions Part 1

Format	Color
Hex	233E34
RGB	35, 62, 52
RGB Percent	14%, 24%, 20%
CMY	0.8627, 0.7569, 0.7961
CMYK	0.44, 0.00, 0.16, 0.76
HSL	158°, 28%, 19%
HSV	158°, 44%, 24%
XYZ	3.0356, 4.0505, 3.8706
YIQ	52.7870, -12.8820, -8.8340

# Conversions

## Conversions Part 2

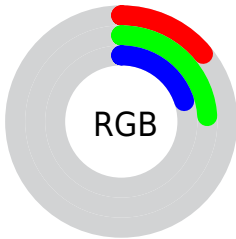
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 52, 62
Decimal	2309684
CIE <sub>Lab</sub>	23.84, -13.08, 2.92
CIE <sub>LCh</sub>	24, 13.400, 167.395
Yxy	4.0505, 0.2771, 0.3697
Android (android.graphics.Color)	4280499764 (0xFF233E34)
YUV	52.7870, -0.3880, -15.5992
Hunter-Lab	20.1259, -8.2970, 2.6853

# Details

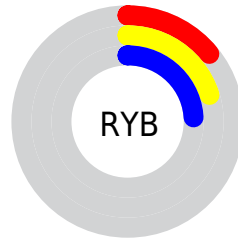
The Hex color **233E34** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3E232D**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **516E62**, and **001506** is the 20% darker color. If you saturate the color by 10%, you get **1D3E32**, and if you desaturate by 10%, it is **293E36**.

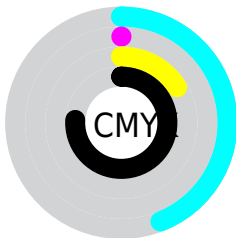
# Distribution



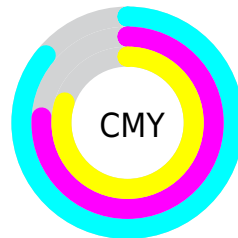
- Red (14%)
- Green (24%)
- Blue (20%)



- Red (14%)
- Yellow (20%)
- Blue (24%)



- Cyan (44%)
- Magenta (0%)
- Yellow (16%)
- Black (76%)



- Cyan (86%)
- Magenta (76%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 233E34 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 233E34 by changing the saturation by 10% instead.





233E34



233E34

FFFFFF



0D281F



516E62



001506



6A877B



000000



83A195



9DBC80



B8D8CB



D4F5E7



F1FFFF



233E34



233E34

■ 1D3E32

■ 293E36

■ 173E2F

■ 2F3E39

■ 103E2D

■ 363E3B

■ 0A3E2B

■ 3C3E3D

■ 043E29

■ 423E3F

■ 003E27

■ 483E42

■ 4E3E44

■ 553E46

■ 5B3E49

# Harmonies

## Analogous

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



2E3D2B



233E34



1A3E3E

# Triad

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



233E34



34384C



4B332A

# Complementary

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



233E34



3E232D

# 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.



4D3133



233E34



413446

# Square

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



233E34



263B4C



4A323D



443725

# Rectangle

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



233E34



193E45



4A323D



4C332D



# Sweetspot

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



233E34



47524E



2D3E23



222926



A8A8A8



292929



# Same Dimension

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



233E34



275242



233B3E



1C1F1D



005E3B



00DE8C



# Inverse Universe

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



3E232D



522737



3E2623



1F1C1D



5E0023



DE0052



# Previews

## White Background



This preview shows how the Hex color 233E34 looks on a white background.

## Color Contrast Check

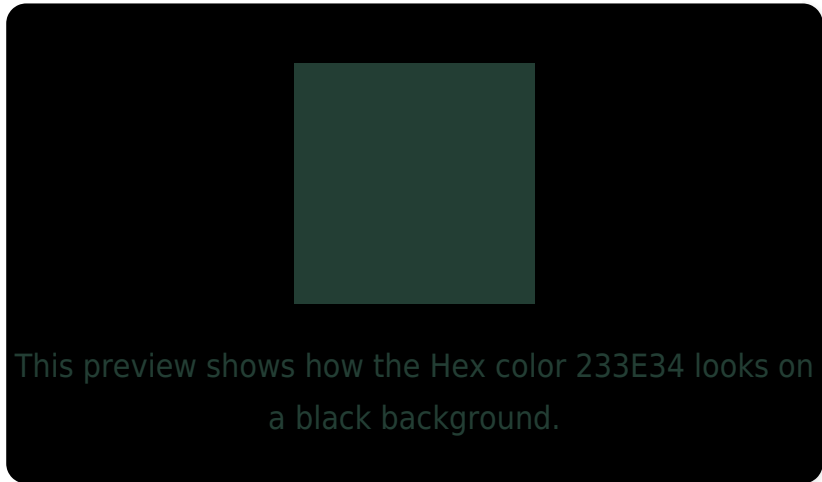
Large Text (above 18pt) WCAG AA ✓ Pass

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

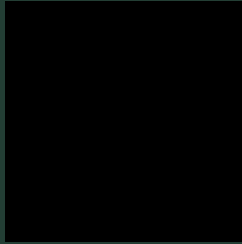
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 233E34 Background



This preview shows how black text looks on a background with the Hex color 233E34.



This preview shows how white text looks on a background with the Hex color 233E34.

# 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**  
233E34

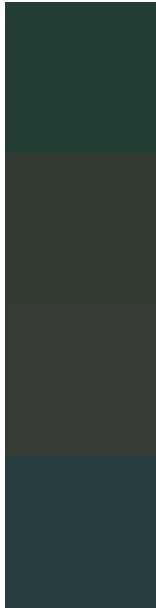
**Protanopia**  
3B3831

**Deuteranopia**  
3F3736



**Tritanopia**  
263C41

# Trichromacy



**Original Color**  
233E34

**Protanomaly**  
323A32

**Deuteranomaly**  
353A35

**Tritanomaly**  
253D3C

# Monochromacy



**Original Color**  
233E34

**Achromatopsia**  
353535

**Achromatomaly**  
2E3835

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 233E34 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 #233E34 looks like.

```
.text, #text, p{  
    color:#233E34  
}
```

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 #233E34 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233E34
}
```

## Border

The CSS property to change the border of an element to Hex 233E34 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".

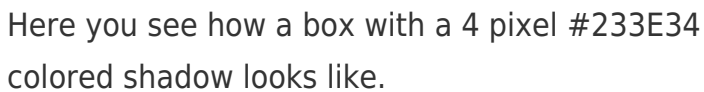
```
.border, #border, table{ border:4px solid
#233E34 }
```

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

```
.border{ border-color:#233E34 }
```

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

Here you see how a box with a 4 pixel #233E34 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 #233E34; -webkit-box-shadow:4px 4px  
4px 4px #233E34; box-shadow:4px 4px 4px  
4px #233E34 }
```

# Background

The CSS property to change the background color of an element to Hex 233E34 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233E34 }
```

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

```
.background{ background-color:#233E34 }
```

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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