

Converting Colors

Hex(233E46)

Have a look what the booklet for
Hex(233E46) contains.

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Color

Hex(233E46)

Conversions

Conversions Part 1

Format	Color
Hex	233E46
RGB	35, 62, 70
RGB Percent	14%, 24%, 27%
CMY	0.8627, 0.7569, 0.7255
CMYK	0.50, 0.11, 0.00, 0.73
HSL	194°, 33%, 21%
HSV	194°, 50%, 27%
XYZ	3.5213, 4.2448, 6.4281
YIQ	54.8390, -18.6600, -3.2360

Conversions

Conversions Part 2

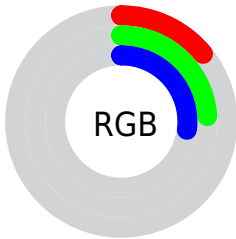
Format	Color
RYB	35, 50, 70
Decimal	2309702
CIELab	24.46, -7.73, -8.11
CIElCh	24, 11.206, 226.356
Yxy	4.2448, 0.2481, 0.2991
Android (android.graphics.Color)	4280499782 (0xFF233E46)
YUV	54.8390, 7.4744, -17.3988
Hunter-Lab	20.6028, -5.5474, -4.0765

Details

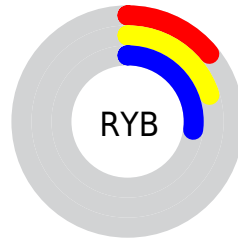
The Hex color **233E46** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **462B23**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **526E76**, and **00141B** is the 20% darker color. If you saturate the color by 10%, you get **1C3C46**, and if you desaturate by 10%, it is **2A4046**.

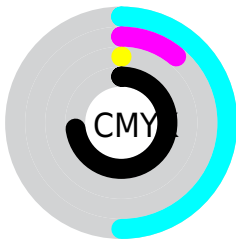
Distribution



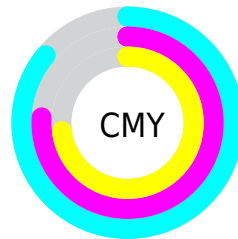
- Red (14%)
- Green (24%)
- Blue (27%)



- Red (14%)
- Yellow (20%)
- Blue (27%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (73%)



- Cyan (86%)
- Magenta (76%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 233E46 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 233E46 by changing the saturation by 10% instead.

■ 233E46

■ 233E46

FFFFFF

■ 0C2830

■ 526E76

■ 00141B

■ 6B8790

■ 000000

■ 85A1AA

■ 9FBCC6

■ BAD8E2

■ D6F4FE

■ F3FFFF

■ 233E46

■ 233E46

■ 1C3C46

■ 2A4046

■ 153B46

■ 314146

■ 0E3946

■ 384346

■ 073846

■ 3F4446

■ 003646

■ 464646

■ 4D4846

■ 544946

■ 5B4B46

■ 624C46

Harmonies

Analogous

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



233F3F



233E46



2B3C4A

Triad

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



233E46



49343E



3C3B2A

Complementary

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



233E46



462B23

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.



44382A



233E46



4B3436

Square

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



233E46



413646



4A362E



323D2E

Rectangle

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



233E46



323A4B



4A362E



3F3A29

Sweetspot

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



233E46



4E595C



23462B



262C2E



ADADAD



2E2E2E

Same Dimension

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



233E46



254F5C



232D46



202324



004D63



00AFE3

Inverse Universe

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



46233E



5C254F



463C23



242023



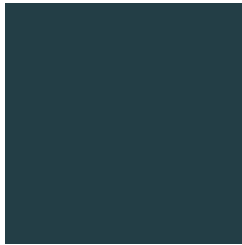
63004D



E300AF

Previews

White Background



This preview shows how the Hex color 233E46 looks on a white background.

Color Contrast Check

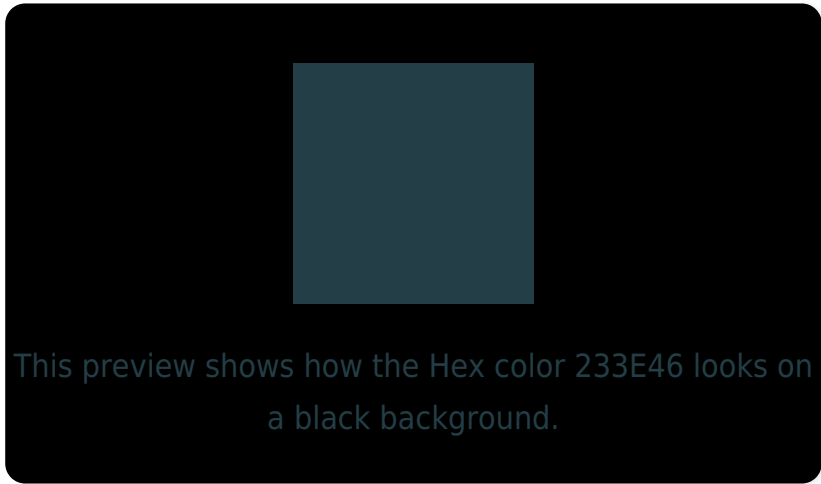
Large Text (above 18pt) WCAG AA ✓ Pass

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

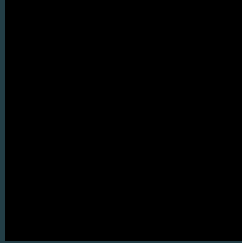
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

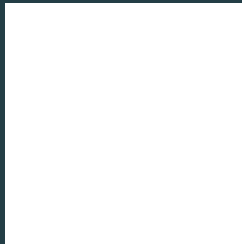
Any Text WCAG AAA × Fail

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

Hex 233E46 Background



This preview shows how black text looks on a background with the Hex color 233E46.



This preview shows how white text looks on a background with the Hex color 233E46.

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](#).

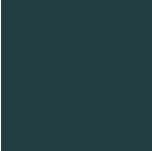
Dichromacy



Original Color
233E46

Protanopia
383A43

Deuteranopia
393947



Tritanopia
223E43

Trichromacy



Original Color
233E46

Protanomaly
303B44

Deuteranomaly
313B47

Tritanomaly
223E44

Monochromacy



Original Color
233E46

Achromatopsia
373737

Achromatomaly
303A3C

CSS Examples

Text

The CSS property to change the color of the text to Hex 233E46 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 #233E46 looks like.

```
.text, #text, p{  
    color:#233E46  
}
```

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 #233E46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233E46
}
```

Border

The CSS property to change the border of an element to Hex 233E46 is called "border". The border property can be set on classes, ids or directly on the HTML element.

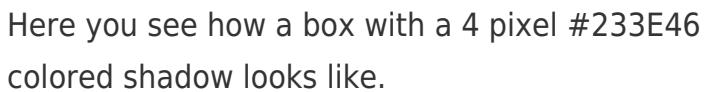
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#233E46 }
```

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

```
.border{ border-color:#233E46 }
```

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



Here you see how a box with a 4 pixel #233E46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233E46; -webkit-box-shadow:4px 4px  
4px 4px #233E46; box-shadow:4px 4px 4px  
4px #233E46 }
```

Background

The CSS property to change the background color of an element to Hex 233E46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233E46 }
```

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

```
.background{ background-color:#233E46 }
```

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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