

Converting Colors

Hex(46233C)

Have a look what the booklet for
Hex(46233C) contains.

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Color

Hex(46233C)

Conversions

Conversions Part 1

Format	Color
Hex	46233C
RGB	70, 35, 60
RGB Percent	27%, 14%, 24%
CMY	0.7255, 0.8627, 0.7647
CMYK	0.00, 0.50, 0.14, 0.73
HSL	317°, 33%, 21%
HSV	317°, 50%, 27%
XYZ	3.9424, 2.8304, 4.6135
YIQ	48.3150, 12.8350, 15.1950

Conversions

Conversions Part 2

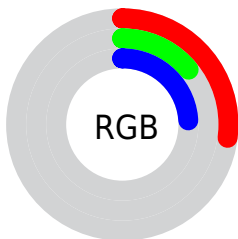
Format	Color
R_{YB}	70, 35, 60
Decimal	4596540
CIE Lab	19.35, 20.70, -8.77
CIE LCh	19, 22.485, 337.032
Yxy	2.8304, 0.3462, 0.2486
Android (android.graphics.Color)	4282786620 (0xFF46233C)
YUV	48.3150, 5.7607, 19.0177
Hunter-Lab	16.8238, 12.3875, -4.4821

Details

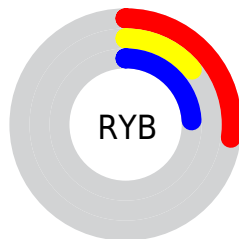
The Hex color **46233C** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **23462D**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **77516B**, and **1C0012** is the 20% darker color. If you saturate the color by 10%, you get **461C3A**, and if you desaturate by 10%, it is **462A3E**.

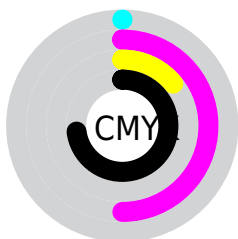
Distribution



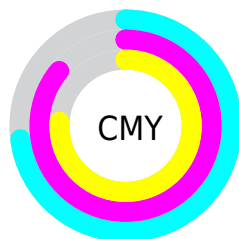
- Red (27%)
- Green (14%)
- Blue (24%)



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



- Cyan (0%)
- Magenta (50%)
- Yellow (14%)
- Black (73%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 46233C 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 46233C by changing the saturation by 10% instead.

■ 46233C

■ 46233C

FFFFFF

■ 2F0E26

■ 77516B

■ 1C0012

■ 916985

■ 000000

■ AC839F

■ C89DBA

■ E4B8D5

■ FFD4F2

■ FFF0FF

■ 46233C

■ 46233C

■ 461C3A

■ 462A3E

■ 461538

■ 463140

■ 460E36

■ 463842

■ 460734

■ 463F44

■ 460032

■ 464646

■ 464D48

■ 46544A

■ 465B4C

■ 46624E

Harmonies

Analogous

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



352949



46233C



4D212C

Triad

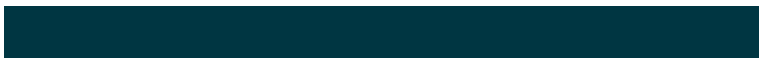
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46233C



352F0C



003642

Complementary

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



46233C



23462D

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.



003732



46233C



233414

Square

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



46233C



422910



0A3622



00344D

Rectangle

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



46233C



4D2221



0A3622



00373D

Sweetspot

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



46233C



5C4E58



2D2346



2E262C



ADADAD



2E2E2E

Same Dimension

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



46233C



5C254C



46232B



242023



630047



E300A2

Inverse Universe

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



46233C



5C254C



23463E



242023



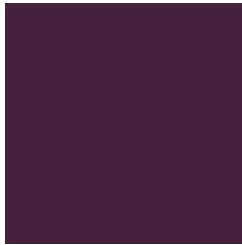
630047



E300A2

Previews

White Background



This preview shows how the Hex color 46233C looks on a white background.

Color Contrast Check

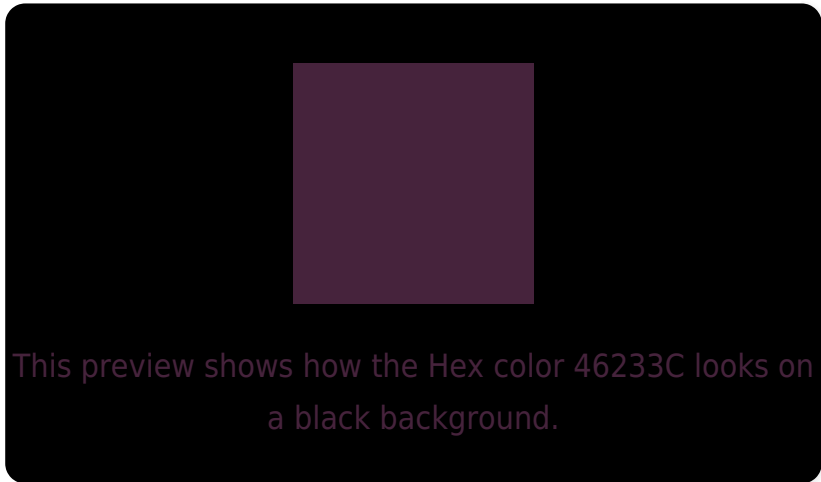
Large Text (above 18pt) WCAG AA ✓ Pass

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

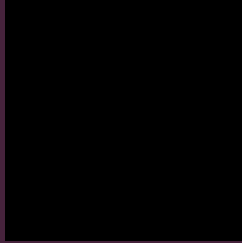
Any Text WCAG AA × Fail

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 46233C Background



This preview shows how black text looks on a background with the Hex color 46233C.



This preview shows how white text looks on a background with the Hex color 46233C.

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](#).

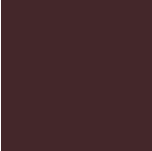
Dichromacy



Original Color
46233C

Protanopia
282F45

Deuteranopia
2F2F3A



Tritanopia
44272A

Trichromacy



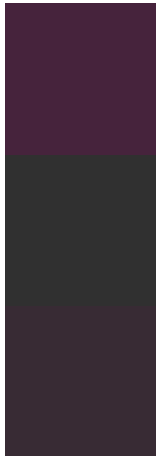
Original Color
46233C

Protanomaly
332B42

Deuteranomaly
372B3B

Tritanomaly
452631

Monochromacy



Original Color
46233C

Achromatopsia
303030

Achromatomaly
382B34

CSS Examples

Text

The CSS property to change the color of the text to Hex 46233C 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 #46233C looks like.

```
.text, #text, p{  
    color:#46233C  
}
```

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 #46233C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46233C
}
```

Border

The CSS property to change the border of an element to Hex 46233C is called "border". The border property can be set on classes, ids or directly on the HTML element.

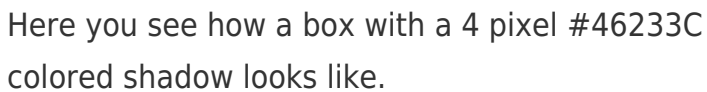
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#46233C }
```

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

```
.border{ border-color:#46233C }
```

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



Here you see how a box with a 4 pixel #46233C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46233C; -webkit-box-shadow:4px 4px  
4px 4px #46233C; box-shadow:4px 4px 4px  
4px #46233C }
```

Background

The CSS property to change the background color of an element to Hex 46233C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46233C }
```

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

```
.background{ background-color:#46233C }
```

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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