

# Converting Colors

Hex(46535A)

Have a look what the booklet for  
Hex(46535A) contains.

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# Color

Hex(46535A)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46535A
RGB	70, 83, 90
RGB Percent	27%, 33%, 35%
CMY	0.7255, 0.6745, 0.6471
CMYK	0.22, 0.08, 0.00, 0.65
HSL	201°, 12%, 31%
HSV	201°, 22%, 35%
XYZ	7.4645, 8.2268, 10.8674
YIQ	79.9110, -9.9950, -0.5790

# Conversions

## Conversions Part 2

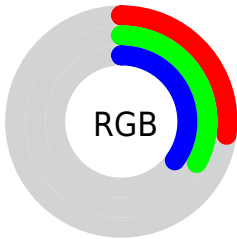
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 78, 90
Decimal	4608858
CIELab	34.45, -3.34, -5.79
CIELCh	34, 6.683, 240.012
Yxy	8.2268, 0.2811, 0.3098
Android (android.graphics.Color)	4282798938 (0xFF46535A)
YUV	79.9110, 4.9739, -8.6919
Hunter-Lab	28.6824, -3.7401, -2.3865

# Details

The Hex color **46535A** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **5A4D46**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **77848C**, and **1A262C** is the 20% darker color. If you saturate the color by 10%, you get **3D505A**, and if you desaturate by 10%, it is **4F565A**.

# Distribution



Red (27%)

Green (33%)

Blue (35%)



Red (27%)

Yellow (31%)

Blue (35%)

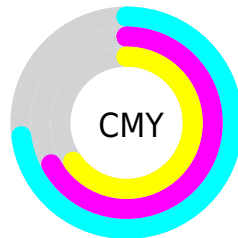


Cyan (22%)

Magenta (8%)

Yellow (0%)

Black (65%)



Cyan (73%)

Magenta (67%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46535A 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 46535A by changing the saturation by 10% instead.



■ 46535A

■ 46535A

FFFFFF

■ 2F3C43

■ 77848C

■ 1A262C

■ 909FA6

■ 011218

■ ABB9C2

■ 000000

■ C6D5DD

■ E2F1FA

■ 46535A

■ 46535A

■ 3D505A

■ 4F565A

■ 344D5A

■ 58595A

■ 2B4A5A

■ 615C5A

■ 22465A

■ 6A605A

■ 19435A

■ 73635A

■ 10405A

■ 7C665A

■ 073D5A

■ 85695A

■ 003B5A

■ 8E6C5A

■ 976F5A

# Harmonies

## Analogous

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



445456



46535A



4B515B

# Triad

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



46535A



5C4D51



4F5248

# Complementary

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



46535A



5A4D46

# 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.



555146



46535A



5C4E4C

# Square

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



46535A



584E56



5A4F48



49544C

# Rectangle

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



46535A



50505B



5A4F48



525247



# Sweetspot

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



46535A



6D7275



465A4D



36393B



BABABA



3B3B3B



# Same Dimension

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



46535A



566A75



46495A



292C2E



00476E



009AED



# Inverse Universe

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



5A4653



75566A



5A5746



2E292C



6E0047



ED009A



# Previews

## White Background



This preview shows how the Hex color 46535A looks on a white background.

## Color Contrast Check

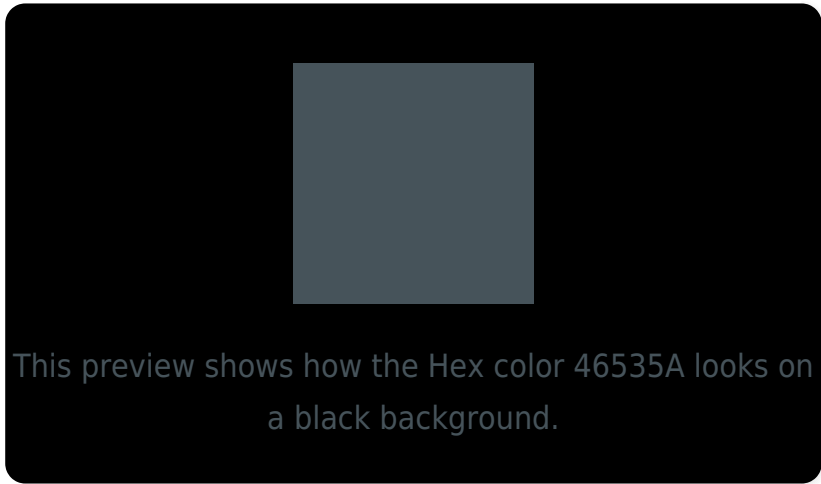
Large Text (above 18pt) WCAG AA ✓ Pass

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

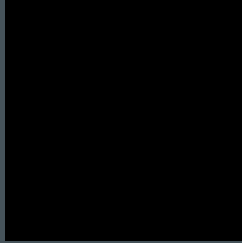
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 46535A Background



This preview shows how black text looks on a background with the Hex color 46535A.



This preview shows how white text looks on a background with the Hex color 46535A.

# 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](#).

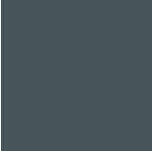
## Dichromacy



**Original Color**  
46535A

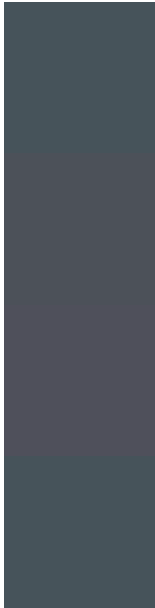
**Protanopia**  
505058

**Deuteranopia**  
544F5B



**Tritanopia**  
46535A

# Trichromacy



**Original Color**  
46535A

**Protanomaly**  
4C5159

**Deuteranomaly**  
4F505B

**Tritanomaly**  
46535A

# Monochromacy



**Original Color**  
46535A

**Achromatopsia**  
505050

**Achromatomaly**  
4C5154

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46535A 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 #46535A looks like.

```
.text, #text, p{  
    color:#46535A  
}
```

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 #46535A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46535A
}
```

## Border

The CSS property to change the border of an element to Hex 46535A is called "border". The border property can be set on classes, ids or directly on the HTML element.

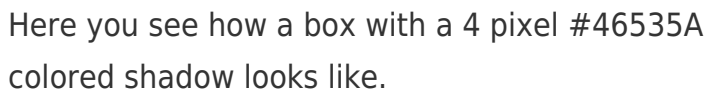
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#46535A }
```

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

```
.border{ border-color:#46535A }
```

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



Here you see how a box with a 4 pixel #46535A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46535A; -webkit-box-shadow:4px 4px  
4px 4px #46535A; box-shadow:4px 4px 4px  
4px #46535A }
```

# Background

The CSS property to change the background color of an element to Hex 46535A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46535A }
```

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

```
.background{ background-color:#46535A }
```

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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