

# Converting Colors

Hex(45464E)

Have a look what the booklet for  
Hex(45464E) contains.

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# Color

**Hex(45464E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45464E
RGB	69, 70, 78
RGB Percent	27%, 27%, 31%
CMY	0.7294, 0.7255, 0.6941
CMYK	0.12, 0.10, 0.00, 0.69
HSL	233°, 6%, 29%
HSV	233°, 12%, 31%
XYZ	6.0195, 6.1956, 8.0863
YIQ	70.6130, -3.1640, 2.2760

# Conversions

## Conversions Part 2

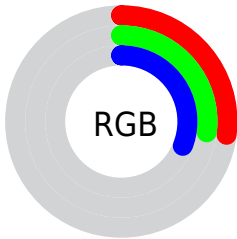
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 70, 78
Decimal	4539982
CIELab	29.90, 1.45, -4.93
CIELCh	30, 5.138, 286.443
Yxy	6.1956, 0.2965, 0.3052
Android (android.graphics.Color)	4282730062 (0xFF45464E)
YUV	70.6130, 3.6418, -1.4146
Hunter-Lab	24.8909, -0.3912, -1.8379

# Details

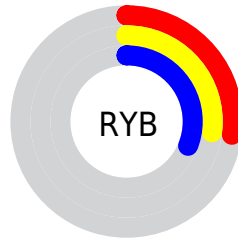
The Hex color **45464E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **4E4D45**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **75767F**, and **1A1B22** is the 20% darker color. If you saturate the color by 10%, you get **3D3F4E**, and if you desaturate by 10%, it is **4D4D4E**.

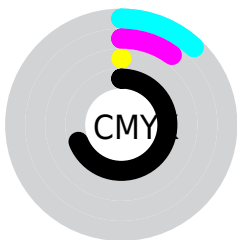
# Distribution



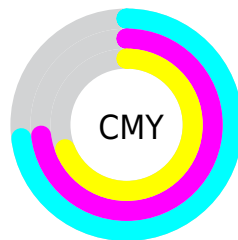
- Red (27%)
- Green (27%)
- Blue (31%)



- Red (27%)
- Yellow (27%)
- Blue (31%)



- Cyan (12%)
- Magenta (10%)
- Yellow (0%)
- Black (69%)



- Cyan (73%)
- Magenta (73%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45464E 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 45464E by changing the saturation by 10% instead.



■ 45464E

■ 45464E

FFFFFF

■ 2F3037

■ 75767F

■ 1A1B22

■ 8F9099

■ 00000C

■ A9AAB4

■ 000000

■ C5C6CF

■ E0E2EB

■ FDFEFF

■ 45464E

■ 45464E

■ 3D3F4E

■ 4D4D4E

■ 35384E

■ 55544E

■ 2E314E

■ 5C5B4E

■ 262A4E

■ 64624E

■ 1E234E

■ 6C694E

■ 161C4E

■ 74704E

■ 0E154E

■ 7C774E

■ 070F4E

■ 837D4E

■ 00094E

■ 8B844E

# Harmonies

## Analogous

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



4074E



4546E



4A45C

# Triad

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



45464E



4E4441



3F4944

# Complementary

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



45464E



4E4D45

# 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.



434841



45464E



4C463F

# Square

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



45464E



4F4444



47473F



3D4948

# Rectangle

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



45464E



4C444A



47473F



404943



# Sweetspot

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



45464E



636366



454E4D



313133



B3B3B3



333333



# Same Dimension

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



45464E



585966



48454E



222326



000B66



001AE6



# Inverse Universe

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



4E4546



665859



4B4E45



262223



66000B

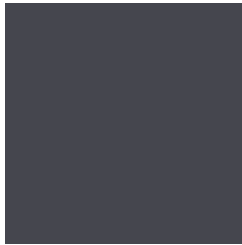


E6001A



# Previews

## White Background



This preview shows how the Hex color 45464E looks on a white background.

## Color Contrast Check

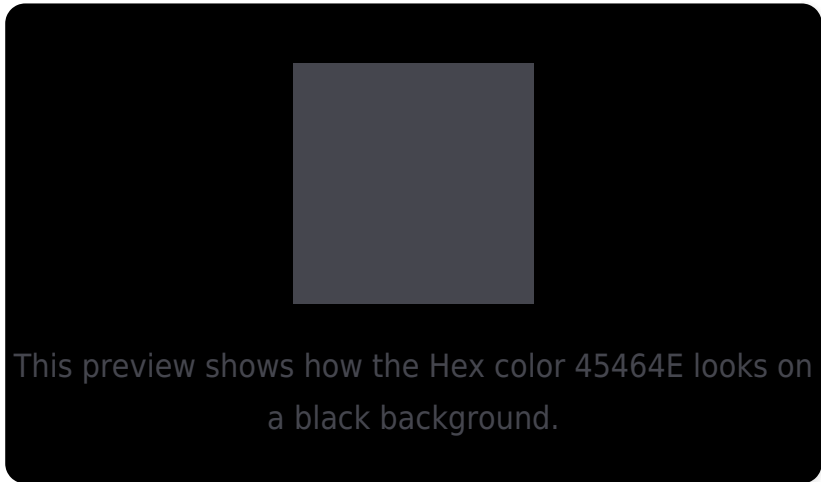
Large Text (above 18pt) WCAG AA ✓ Pass

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

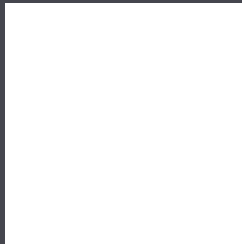
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 45464E Background



This preview shows how black text looks on a background with the Hex color 45464E.



This preview shows how white text looks on a background with the Hex color 45464E.

# 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](#).

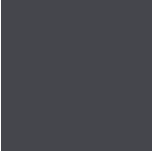
## Dichromacy



**Original Color**  
45464E

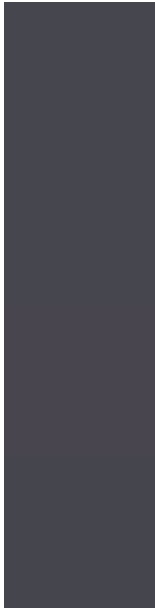
**Protanopia**  
45464E

**Deuteranopia**  
4A444E



**Tritanopia**  
45464C

# Trichromacy



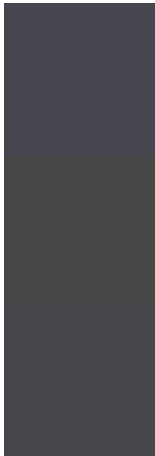
**Original Color**  
45464E

**Protanomaly**  
45464E

**Deuteranomaly**  
48454E

**Tritanomaly**  
45464D

# Monochromacy



**Original Color**  
45464E

**Achromatopsia**  
474747

**Achromatomaly**  
46474A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45464E 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 #45464E looks like.

```
.text, #text, p{  
    color:#45464E  
}
```

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 #45464E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45464E
}
```

## Border

The CSS property to change the border of an element to Hex 45464E is called "border". The border property can be set on classes, ids or directly on the HTML element.

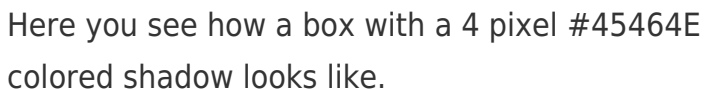
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#45464E }
```

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

```
.border{ border-color:#45464E }
```

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



Here you see how a box with a 4 pixel #45464E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45464E; -webkit-box-shadow:4px 4px  
4px 4px #45464E; box-shadow:4px 4px 4px  
4px #45464E }
```

# Background

The CSS property to change the background color of an element to Hex 45464E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45464E }
```

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

```
.background{ background-color:#45464E }
```

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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