

# Converting Colors

Hex(455E56)

Have a look what the booklet for  
Hex(455E56) contains.

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# Color

**Hex(455E56)**

# Conversions

## Conversions Part 1

Format	Color
Hex	455E56
RGB	69, 94, 86
RGB Percent	27%, 37%, 34%
CMY	0.7294, 0.6314, 0.6627
CMYK	0.27, 0.00, 0.09, 0.63
HSL	161°, 15%, 32%
HSV	161°, 27%, 37%
XYZ	8.1367, 9.9425, 10.2943
YIQ	85.6130, -12.3320, -7.7880

# Conversions

## Conversions Part 2

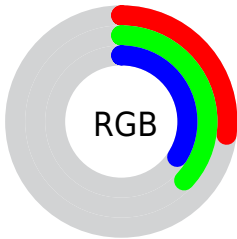
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 84, 94
Decimal	4546134
CIELab	37.74, -11.27, 1.54
CIElCh	38, 11.375, 172.212
Yxy	9.9425, 0.2868, 0.3504
Android (android.graphics.Color)	4282736214 (0xFF455E56)
YUV	85.6130, 0.1908, -14.5696
Hunter-Lab	31.5317, -9.1192, 2.7155

# Details

The Hex color **455E56** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5E454D**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **769088**, and **183029** is the 20% darker color. If you saturate the color by 10%, you get **3C5E53**, and if you desaturate by 10%, it is **4E5E59**.

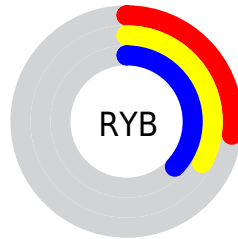
# Distribution



Red (27%)

Green (37%)

Blue (34%)



Red (27%)

Yellow (33%)

Blue (37%)

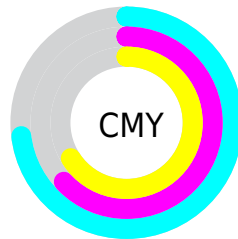


Cyan (27%)

Magenta (0%)

Yellow (9%)

Black (63%)



Cyan (73%)

Magenta (63%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 455E56 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 455E56 by changing the saturation by 10% instead.





455E56



455E56

FFFFFF



2E463F



769088



183029



90ABA2



011B15



AAC6BD



000000



C6E2D9



E2FFF5



455E56



455E56



3C5E53



4E5E59



325E50



585E5C

■ 295E4D

■ 615E5F

■ 1F5E4A

■ 6B5E62

■ 165E47

■ 745E65

■ 0D5E44

■ 7D5E68

■ 035E41

■ 875E6B

■ 005E40

■ 905E6E

■ 9A5E71

# Harmonies

## Analogous

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



4E5D4D



455E56



405E5F

# Triad

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



455E56



57576A



69544B

# Complementary

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



455E56



5E454D

# 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.



6C5352



455E56



625464

# Square

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



455E56



4B5A6B



6A535C



625747

# Rectangle

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



455E56



415D65



6A535C



6B544D



# Sweetspot

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



455E56



717A77



4D5E45



373D3B



BDBDBD



3D3D3D



# Same Dimension

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



455E56



537A6E



455A5E



292E2C



006E4B



00EDA1



# Inverse Universe

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



5E454D



7A5360



5E4945



2E292B



6E0023



ED004C



# Previews

## White Background



This preview shows how the Hex color 455E56 looks on a white background.

## Color Contrast Check

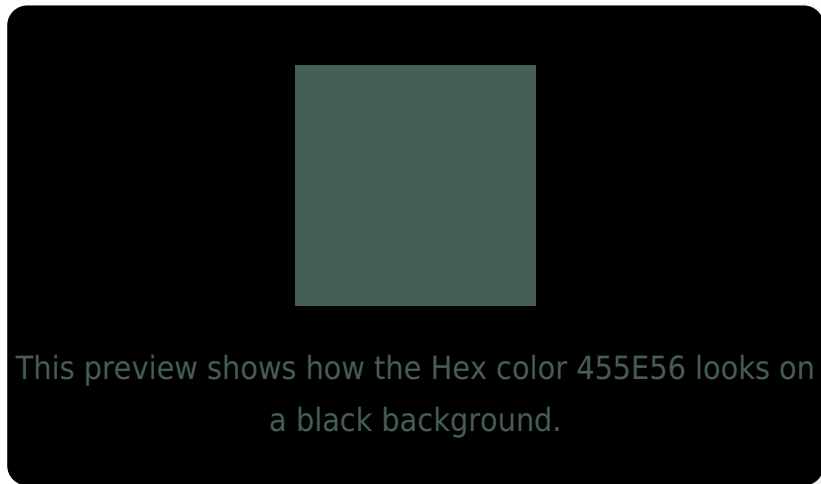
Large Text (above 18pt) WCAG AA ✓ Pass

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

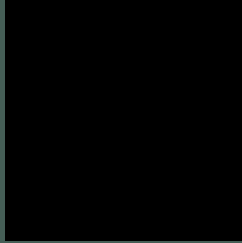
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 455E56 Background



This preview shows how black text looks on a background with the Hex color 455E56.



This preview shows how white text looks on a background with the Hex color 455E56.

# 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](#).

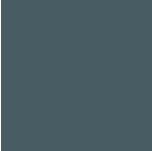
## Dichromacy



**Original Color**  
455E56

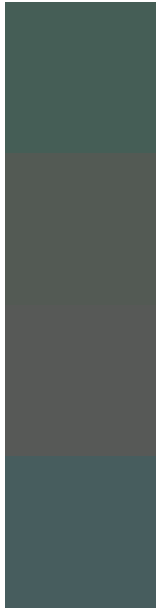
**Protanopia**  
5B5853

**Deuteranopia**  
615658



**Tritanopia**  
485C63

# Trichromacy



**Original Color**  
455E56

**Protanomaly**  
535A54

**Deuteranomaly**  
575957

**Tritanomaly**  
475D5E

# Monochromacy



**Original Color**  
455E56

**Achromatopsia**  
565656

**Achromatomaly**  
505956

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 455E56 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 #455E56 looks like.

```
.text, #text, p{  
    color:#455E56  
}
```

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 #455E56 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #455E56  
}
```

## Border

The CSS property to change the border of an element to Hex 455E56 is called "border". The border property can be set on classes, ids or directly on the HTML element.

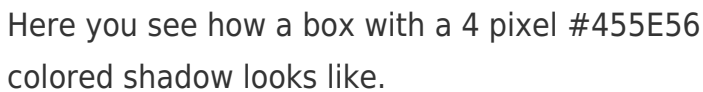
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#455E56 }
```

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

```
.border{ border-color:#455E56 }
```

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

A rectangular box with a dark blue shadow. The box is white with a thin black border. The shadow is a dark blue color, matching the #455E56 hex code mentioned in the text. The shadow is applied to the bottom and right sides of the box, creating a 3D effect.

Here you see how a box with a 4 pixel #455E56 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #455E56; -webkit-box-shadow:4px 4px  
4px 4px #455E56; box-shadow:4px 4px 4px  
4px #455E56 }
```

# Background

The CSS property to change the background color of an element to Hex 455E56 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#455E56 }
```

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

```
.background{ background-color:#455E56 }
```

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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