

# Converting Colors

Hex(455A5A)

Have a look what the booklet for  
Hex(455A5A) contains.

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# Color

Hex(455A5A)

# Conversions

## Conversions Part 1

Format	Color
Hex	455A5A
RGB	69, 90, 90
RGB Percent	27%, 35%, 35%
CMY	0.7294, 0.6471, 0.6471
CMYK	0.23, 0.00, 0.00, 0.65
HSL	180°, 13%, 31%
HSV	180°, 23%, 35%
XYZ	7.9559, 9.3157, 11.0517
YIQ	83.7210, -12.5160, -4.4520

# Conversions

## Conversions Part 2

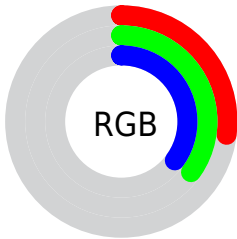
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 80, 90
Decimal	4545114
CIELab	36.59, -7.94, -2.63
CIElCh	37, 8.365, 198.321
Yxy	9.3157, 0.2809, 0.3289
Android (android.graphics.Color)	4282735194 (0xFF455A5A)
YUV	83.7210, 3.0955, -12.9103
Hunter-Lab	30.5217, -6.8846, -0.1033

# Details

The Hex color **455A5A** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5A4545**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **768C8C**, and **192C2D** is the 20% darker color. If you saturate the color by 10%, you get **3C5A5A**, and if you desaturate by 10%, it is **4E5A5A**.

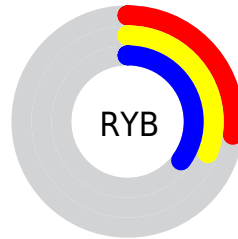
# Distribution



Red (27%)

Green (35%)

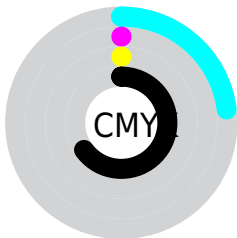
Blue (35%)



Red (27%)

Yellow (31%)

Blue (35%)

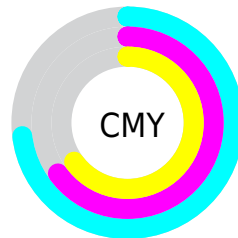


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (65%)



Cyan (73%)

Magenta (65%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 455A5A 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 455A5A by changing the saturation by 10% instead.





455A5A



455A5A

FFFFFF



2E4343



768C8C



192C2D



90A6A6



001818



AAC2C1



000000



C6DEDD



E2FAFA

FEFFFF



455A5A



455A5A



3C5A5A



4E5A5A

■ 335A5A

■ 575A5A

■ 2A5A5A

■ 605A5A

■ 215A5A

■ 695A5A

■ 185A5A

■ 725A5A

■ 0F5A5A

■ 7B5A5A

■ 065A5A

■ 845A5A

■ 005A5A

■ 8D5A5A

■ 965A5A

# Harmonies

## Analogous

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



495A53



455A5A



465960

# Triad

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



455A5A



5C535F



5E5549

# Complementary

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



455A5A



5A4545

# 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.



63534C



455A5A



625259

# Square

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



455A5A



545563



645252



575749

# Rectangle

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



455A5A



495862



645252



60544A



# Sweetspot

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



455A5A



6D7575



455A45



363B3B



BABABA



3B3B3B



# Same Dimension

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



455A5A



547575



45505A



292E2E



006E6E



00EDED



# Inverse Universe

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



5A455A



755475



5A5045



2E292E



6E006E



ED00ED



# Previews

## White Background



This preview shows how the Hex color 455A5A looks on a white background.

## Color Contrast Check

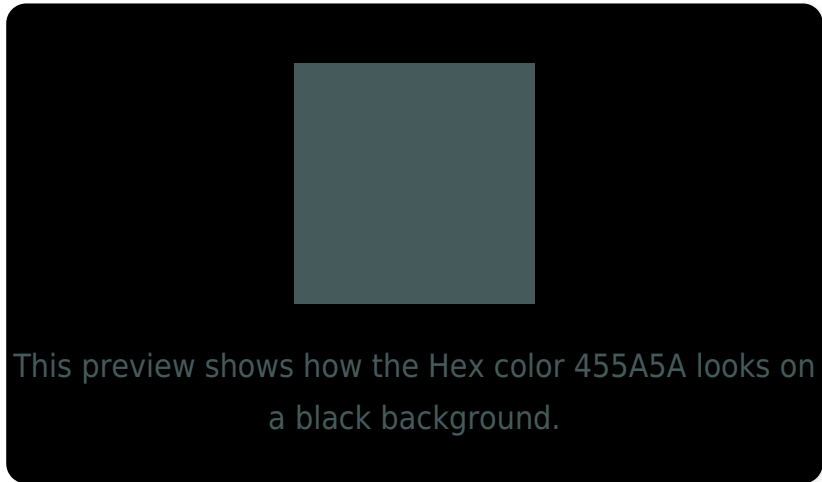
Large Text (above 18pt) WCAG AA ✓ Pass

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

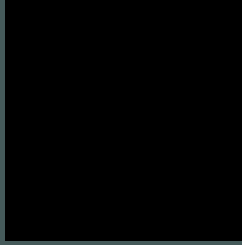
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 455A5A Background



This preview shows how black text looks on a background with the Hex color 455A5A.



This preview shows how white text looks on a background with the Hex color 455A5A.

# 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](#).

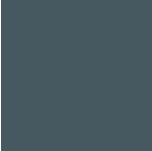
## Dichromacy



**Original Color**  
455A5A

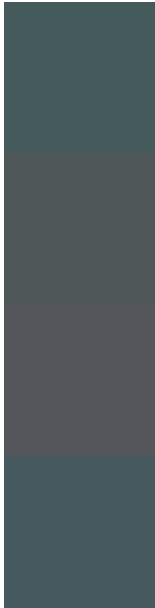
**Protanopia**  
575557

**Deuteranopia**  
5C535B



**Tritanopia**  
465960

# Trichromacy



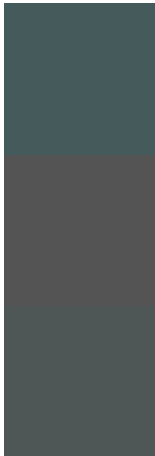
**Original Color**  
455A5A

**Protanomaly**  
505758

**Deuteranomaly**  
54565B

**Tritanomaly**  
46595E

# Monochromacy



**Original Color**  
455A5A

**Achromatopsia**  
545454

**Achromatomaly**  
4F5656

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 455A5A 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 #455A5A looks like.

```
.text, #text, p{  
    color:#455A5A  
}
```

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 #455A5A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #455A5A
}
```

## Border

The CSS property to change the border of an element to Hex 455A5A is called "border". The border property can be set on classes, ids or directly on the HTML element.

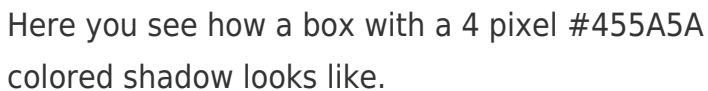
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#455A5A }
```

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

```
.border{ border-color:#455A5A }
```

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



Here you see how a box with a 4 pixel #455A5A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #455A5A; -webkit-box-shadow:4px 4px  
4px 4px #455A5A; box-shadow:4px 4px 4px  
4px #455A5A }
```

# Background

The CSS property to change the background color of an element to Hex 455A5A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#455A5A }
```

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

```
.background{ background-color:#455A5A }
```

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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