

# Converting Colors

Hex(455777)

Have a look what the booklet for  
Hex(455777) contains.

<b>Hex(455777)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(455777)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	455777
RGB	69, 87, 119
RGB Percent	27%, 34%, 47%
CMY	0.7294, 0.6588, 0.5333
CMYK	0.42, 0.27, 0.00, 0.53
HSL	218°, 27%, 37%
HSV	218°, 42%, 47%
XYZ	9.1922, 9.4135, 18.7853
YIQ	85.2660, -21.0000, 6.1360

# Conversions

## Conversions Part 2

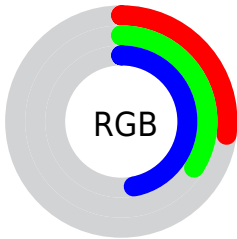
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 82, 119
Decimal	4544375
CIE <sub>Lab</sub>	36.77, 2.06, -20.36
CIE <sub>LCh</sub>	37, 20.463, 275.769
Yxy	9.4135, 0.2458, 0.2518
Android (android.graphics.Color)	4282734455 (0xFF455777)
YUV	85.2660, 16.6309, -14.2653
Hunter-Lab	30.6814, -0.2136, -14.8244

# Details

The Hex color **455777** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **776545**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **7789AB**, and **142A46** is the 20% darker color. If you saturate the color by 10%, you get **394F77**, and if you desaturate by 10%, it is **515F77**.

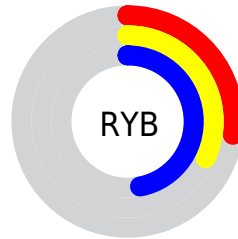
# Distribution



Red (27%)

Green (34%)

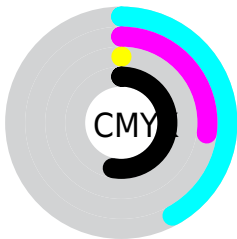
Blue (47%)



Red (27%)

Yellow (32%)

Blue (47%)

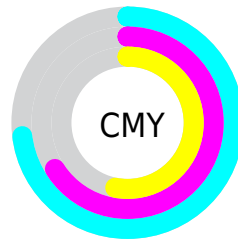


Cyan (42%)

Magenta (27%)

Yellow (0%)

Black (53%)



Cyan (73%)

Magenta (66%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 455777 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 455777 by changing the saturation by 10% instead.



■ 455777

■ 455777

FFFFFF

■ 2D405E

■ 7789AB

■ 142A46

■ 92A3C7

■ 001630

■ ADBEE3

■ 00011B

■ C8DAFF

■ 000000

■ E5F6FF

■ 455777

■ 455777

■ 394F77

■ 515F77

■ 2D4877

■ 5D6677

■ 214077

■ 696E77

■ 153977

■ 757577

■ 093177

■ 807D77

■ 002B77

■ 8C8577

■ 988C77

■ A49477

■ B09C77

# Harmonies

## Analogous

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



2C5C74



455777



5D5171

# Triad

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



455777



764C44



395E48

# Complementary

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



455777



776545

# 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.



4D5B3B



455777



6D5139

# Square

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



455777



764A54



5F5736



265F59

# Rectangle

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



455777



694D69



5F5736



405D43



# Sweetspot

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



455777



878F9C



457765



42474F



CFCFCF



4F4F4F



# Same Dimension

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



455777



4E6A9C



4C4577



35373B



002C7A



005AFA



# Inverse Universe

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



774557



9C4E6A



707745



3B3537



7A002C



FA005A



# Previews

## White Background



This preview shows how the Hex color 455777 looks on a white background.

## Color Contrast Check

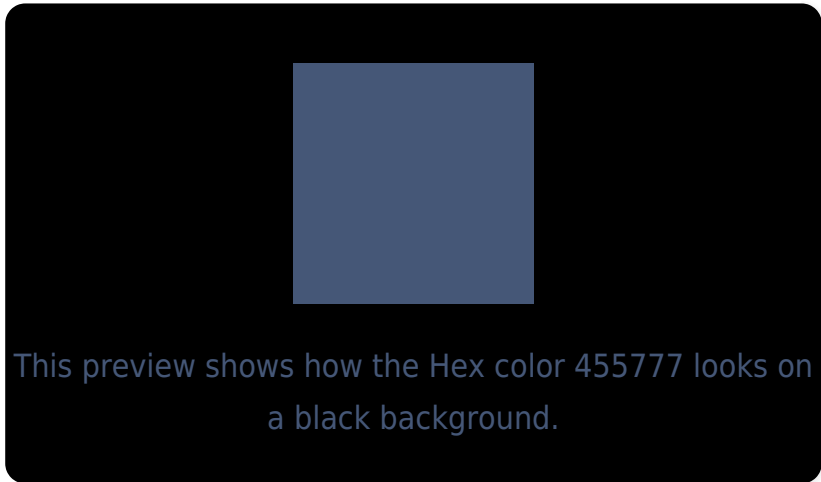
Large Text (above 18pt) WCAG AA ✓ Pass

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

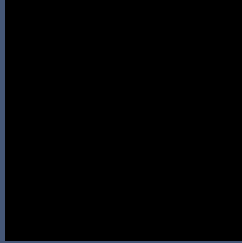
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 455777 Background



This preview shows how black text looks on a background with the Hex color 455777.

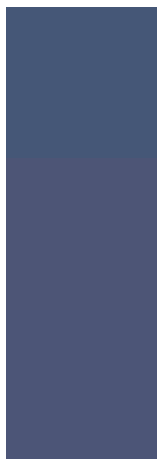


This preview shows how white text looks on a background with the Hex color 455777.

# 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**  
455777

**Protanopia**  
4D5576

**Deuteranopia**  
4C5577



**Tritanopia**  
3F5B62

# Trichromacy



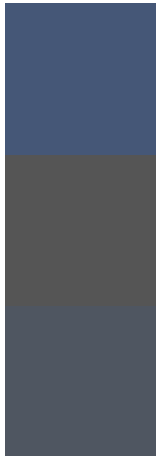
**Original Color**  
455777

**Protanomaly**  
4A5676

**Deuteranomaly**  
495677

**Tritanomaly**  
415A6A

# Monochromacy



**Original Color**  
455777

**Achromatopsia**  
555555

**Achromatomaly**  
4F5661

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 455777 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 #455777 looks like.

```
.text, #text, p{  
    color:#455777  
}
```

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 #455777 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #455777
}
```

## Border

The CSS property to change the border of an element to Hex 455777 is called "border". The border property can be set on classes, ids or directly on the HTML element.

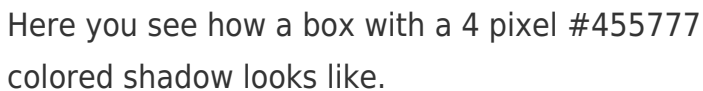
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#455777 }
```

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

```
.border{ border-color:#455777 }
```

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



Here you see how a box with a 4 pixel #455777 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #455777; -webkit-box-shadow:4px 4px  
4px 4px #455777; box-shadow:4px 4px 4px  
4px #455777 }
```

# Background

The CSS property to change the background color of an element to Hex 455777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#455777 }
```

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

```
.background{ background-color:#455777 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor