

Converting Colors

Hex(455E87)

Have a look what the booklet for
Hex(455E87) contains.

Hex(455E87)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(455E87)

Conversions

Conversions Part 1

Format	Color
Hex	455E87
RGB	69, 94, 135
RGB Percent	27%, 37%, 53%
CMY	0.7294, 0.6314, 0.4706
CMYK	0.49, 0.30, 0.00, 0.47
HSL	217°, 32%, 40%
HSV	217°, 49%, 53%
XYZ	10.8301, 11.0199, 24.4779
YIQ	91.1990, -28.0610, 7.4510

Conversions

Conversions Part 2

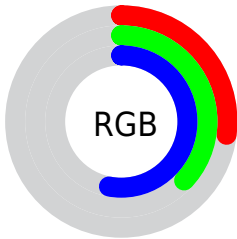
Format	Color
R_{YB}	69, 87, 135
Decimal	4546183
CIE _{Lab}	39.61, 2.69, -25.72
CIE _{LCh}	40, 25.863, 275.961
Yxy	11.0199, 0.2338, 0.2379
Android (android.graphics.Color)	4282736263 (0xFF455E87)
YUV	91.1990, 21.5939, -19.4685
Hunter-Lab	33.1962, 0.1415, -20.4814

Details

The Hex color **455E87** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **876E45**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **7990BC**, and **0E3055** is the 20% darker color. If you saturate the color by 10%, you get **385687**, and if you desaturate by 10%, it is **526687**.

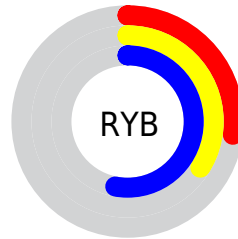
Distribution



Red (27%)

Green (37%)

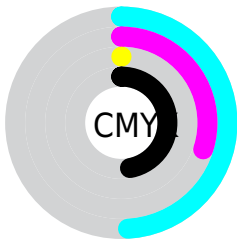
Blue (53%)



Red (27%)

Yellow (34%)

Blue (53%)

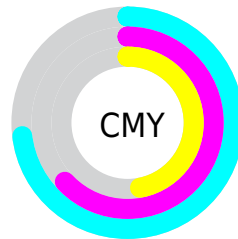


Cyan (49%)

Magenta (30%)

Yellow (0%)

Black (47%)



Cyan (73%)

Magenta (63%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 455E87 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 455E87 by changing the saturation by 10% instead.



455E87



455E87

FFFFFF



2B476E



7990BC



0E3055



94ABD8



001C3E



AFC6F5



000228



CBE2FF



000111



E8FEFF



000000



455E87



455E87



385687



526687



2A4D87



606F87

■ 1D4587

■ 6E7787

■ 0F3C87

■ 7B8087

■ 023487

■ 898887

■ 003387

■ 969087

■ A39987

■ B1A187

■ BEA987

Harmonies

Analogous

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



1C6483



455E87



65567F

Triad

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



455E87



845046



36674B

Complementary

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



455E87



876E45

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.



50633A



455E87



795637

Square

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



455E87



864D5A



675D33



146961

Rectangle

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



455E87



755175



675D33



3F6645

Sweetspot

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



455E87



96A0B0



45876E



494F59



D9D9D9



595959

Same Dimension

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



455E87



486FB0



4D4587



3C3E42



003182



000103

Inverse Universe

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



87455E



B0486F



7F8745



423C3E



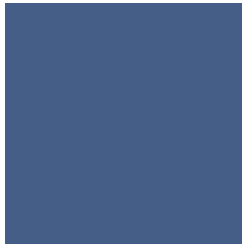
820031



030001

Previews

White Background



This preview shows how the Hex color 455E87 looks on a white background.

Color Contrast Check

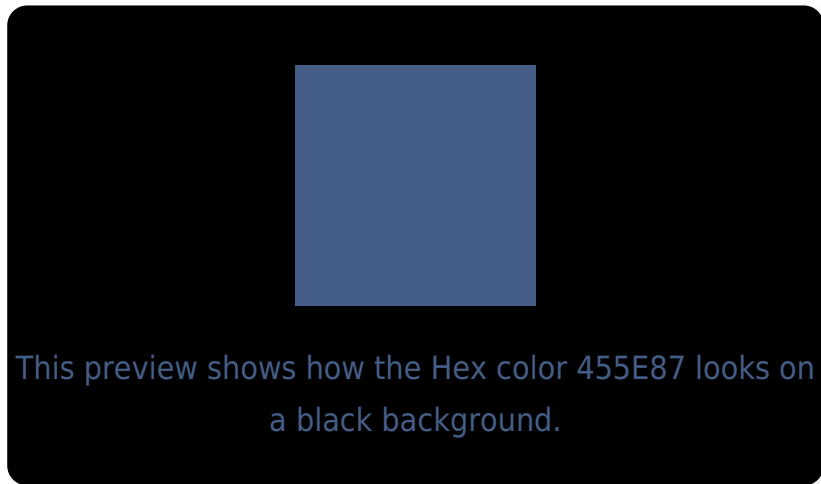
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

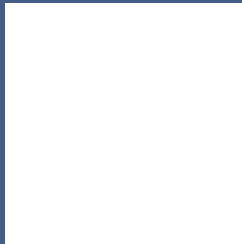
Any Text WCAG AAA × Fail

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

Hex 455E87 Background



This preview shows how black text looks on a background with the Hex color 455E87.

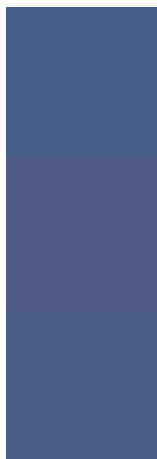


This preview shows how white text looks on a background with the Hex color 455E87.

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
455E87

Protanopia
505C85

Deuteranopia
4C5C87



Tritanopia
3C636B

Trichromacy



Original Color
455E87

Protanomaly
4C5D86

Deuteranomaly
495D87

Tritanomaly
3F6175

Monochromacy



Original Color
455E87

Achromatopsia
5B5B5B

Achromatomaly
535C6B

CSS Examples

Text

The CSS property to change the color of the text to Hex 455E87 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 #455E87 looks like.

```
.text, #text, p{  
    color:#455E87  
}
```

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 #455E87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #455E87
}
```

Border

The CSS property to change the border of an element to Hex 455E87 is called "border". The border property can be set on classes, ids or directly on the HTML element.

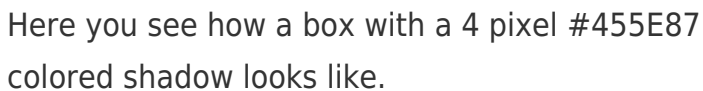
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#455E87 }
```

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

```
.border{ border-color:#455E87 }
```

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



Here you see how a box with a 4 pixel #455E87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #455E87; -webkit-box-shadow:4px 4px  
4px 4px #455E87; box-shadow:4px 4px 4px  
4px #455E87 }
```

Background

The CSS property to change the background color of an element to Hex 455E87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#455E87 }
```

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

```
.background{ background-color:#455E87 }
```

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