

Converting Colors

Hex(3A5170)

Have a look what the booklet for
Hex(3A5170) contains.

Hex(3A5170)	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(3A5170)

Conversions

Conversions Part 1

Format	Color
Hex	3A5170
RGB	58, 81, 112
RGB Percent	23%, 32%, 44%
CMY	0.7725, 0.6824, 0.5608
CMYK	0.48, 0.28, 0.00, 0.56
HSL	214°, 32%, 33%
HSV	214°, 48%, 44%
XYZ	7.6120, 7.9543, 16.4634
YIQ	77.6570, -23.6590, 4.7650

Conversions

Conversions Part 2

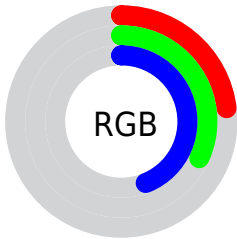
Format	Color
R_{YB}	58, 74, 112
Decimal	3821936
CIE _{Lab}	33.89, 0.49, -20.54
CIE _{LCh}	34, 20.542, 271.364
Yxy	7.9543, 0.2377, 0.2483
Android (android.graphics.Color)	4282012016 (0xFF3A5170)
YUV	77.6570, 16.9311, -17.2392
Hunter-Lab	28.2033, -1.1791, -14.8676




Details

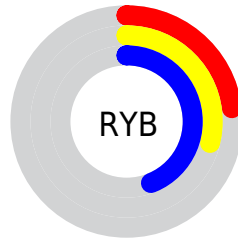
The Hex color **3A5170** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **70593A**, and the grayscale version is **4E4E4E**.




A 20% lighter version of the original color is **6C82A4**, and **052540** is the 20% darker color. If you saturate the color by 10%, you get **2F4B70**, and if you desaturate by 10%, it is **455770**.

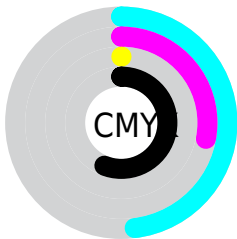
Distribution







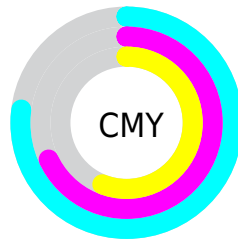
-  Red (23%)
-  Green (32%)
-  Blue (44%)






-  Red (23%)
-  Yellow (29%)
-  Blue (44%)



-  Cyan (48%)
-  Magenta (28%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (77%)
-  Magenta (68%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 3A5170 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 3A5170 by changing the saturation by 10% instead.

■ 3A5170

■ 3A5170

FFFFFF

■ 213A57

■ 6C82A4

■ 052540

■ 869CBF

■ 000F2A

■ A1B7DB

■ 000115

■ BCD3F7

■ 000000

■ D9EFFF

■ F5FFFF

■ 3A5170

■ 3A5170

■ 2F4B70

■ 455770

■ 244470

■ 505E70

■ 183E70

■ 5C6470

■ 0D3770

■ 676B70

■ 023170

■ 727170

■ 003070

■ 7D7870

■ 887E70

■ 948470

■ 9F8B70

Harmonies

Analogous

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



20556C



3A5170



534B6B

Triad

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



3A5170



6F4540



355740

Complementary

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



3A5170



70593A

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.



495433



3A5170



674934

Square

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



3A5170



6E4350



5A4F2F



215850

Rectangle

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



3A5170



604764



5A4F2F



3C563B

Sweetspot

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



3A5170



7D8691



3A7059



3D434A



C9C9C9



4A4A4A

Same Dimension

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



3A5170



3D6191



3E3A70



323538



003378



0069F7

Inverse Universe

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



703A51



913D61



6C703A



383235



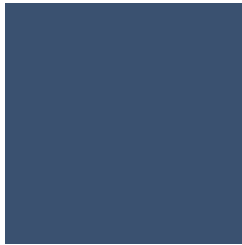
780033



F70069

Previews

White Background



This preview shows how the Hex color 3A5170 looks on a white background.

Color Contrast Check

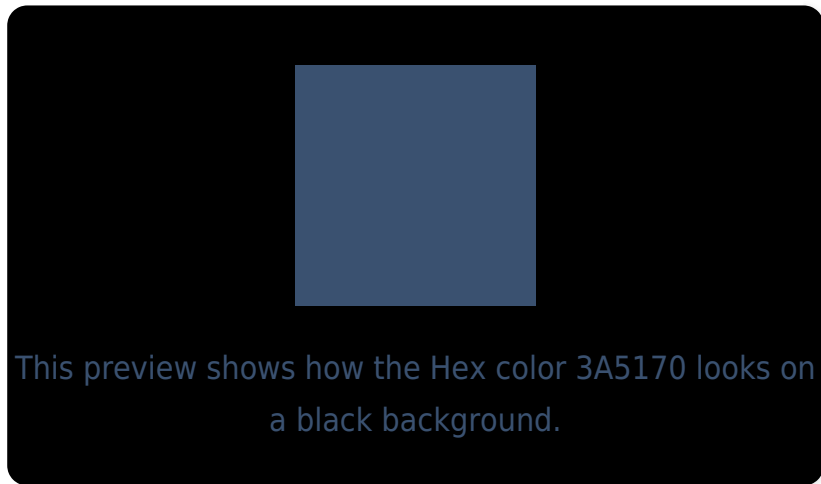
Large Text (above 18pt) WCAG AA ✓ Pass

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

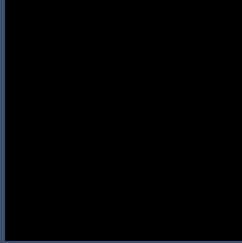
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

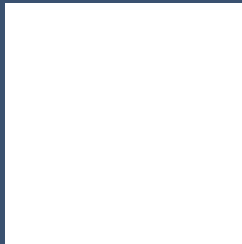
Any Text WCAG AAA × Fail

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

Hex 3A5170 Background



This preview shows how black text looks on a background with the Hex color 3A5170.

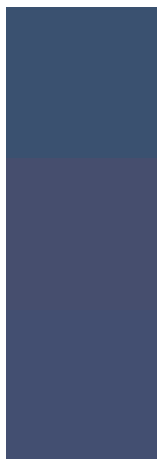


This preview shows how white text looks on a background with the Hex color 3A5170.

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


3A5170

Protanopia

464E6E

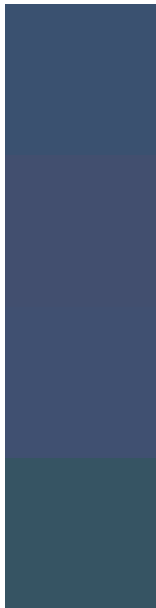
Deuteranopia

434F71



Tritanopia
34555C

Trichromacy



Original Color

3A5170

Protanomaly

424F6F

Deuteranomaly

405071

Tritanomaly

365463

Monochromacy



Original Color

3A5170

Achromatopsia

4E4E4E

Achromatomaly

474F5A

CSS Examples

Text

The CSS property to change the color of the text to Hex 3A5170 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 #3A5170 looks like.

```
.text, #text, p{  
    color:#3A5170  
}
```

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 #3A5170 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A5170
}
```

Border

The CSS property to change the border of an element to Hex 3A5170 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
#3A5170 }
```

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

```
.border{ border-color:#3A5170 }
```

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

Here you see how a box with a 4 pixel #3A5170 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A5170; -webkit-box-shadow:4px 4px  
4px 4px #3A5170; box-shadow:4px 4px 4px  
4px #3A5170 }
```

Background

The CSS property to change the background color of an element to Hex 3A5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A5170 }
```

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

```
.background{ background-color:#3A5170 }
```

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