

# Converting Colors

Hex(3A7656)

Have a look what the booklet for  
Hex(3A7656) contains.

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# Color

**Hex(3A7656)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 3A7656                      |
| RGB         | 58, 118, 86                 |
| RGB Percent | 23%, 46%, 34%               |
| CMY         | 0.7725, 0.5373, 0.6627      |
| CMYK        | 0.51, 0.00, 0.27, 0.54      |
| HSL         | 148°, 34%, 35%              |
| HSV         | 148°, 51%, 46%              |
| XYZ         | 9.9031, 14.5283, 11.0864    |
| YIQ         | 96.4120, -25.4880, -22.6720 |

# Conversions

## Conversions Part 2

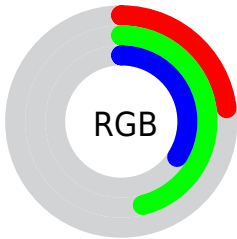
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 58, 99, 118                   |
| Decimal                             | 3831382                       |
| CIELab                              | 44.98, -27.57, 11.75          |
| CIELCh                              | 45, 29.971, 156.921           |
| Yxy                                 | 14.5283, 0.2788,<br>0.4090    |
| Android<br>(android.graphics.Color) | 4282021462<br>(0xFF3A7656)    |
| YUV                                 | 96.4120, -5.1331,<br>-33.6873 |
| Hunter-Lab                          | 38.1160, -20.3262,<br>9.4361  |

# Details

The Hex color **3A7656** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **763A5A**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **6DAB88**, and **004529** is the 20% darker color. If you saturate the color by 10%, you get **2E7650**, and if you desaturate by 10%, it is **46765C**.

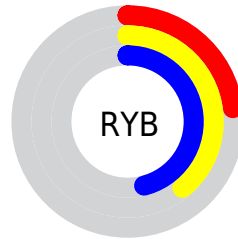
# Distribution



Red (23%)

Green (46%)

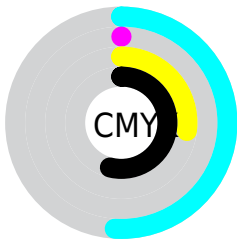
Blue (34%)



Red (23%)

Yellow (39%)

Blue (46%)

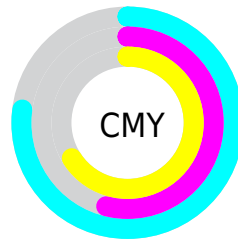


Cyan (51%)

Magenta (0%)

Yellow (27%)

Black (54%)



Cyan (77%)

Magenta (54%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3A7656 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 3A7656 by changing the saturation by 10% instead.



 3A7656

 3A7656


FFFFFF

 205D3F

 6DAB88

 004529

 88C6A2

 002E14

 A3E2BD

 001A00

 BFFFD9

 000000

 DBFFF5

 F8FFFF

 3A7656

 3A7656

 2E7650

 46765C

 227649

 527663

 177643

 5D7669

 0B763D

 69766F

 007637

 757675

 81767C

 8D7682

 987688

 A4768F

# Harmonies

## Analogous

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



5A7241



3A7656



057870

# Triad

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



3A7656



4E6B9C



985A4E

# Complementary

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



3A7656



763A5A

# 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.



9A5666



3A7656



756292

# Square

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



3A7656



167298



8E5A7F



8A623D

# Rectangle

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



3A7656



007780



8E5A7F



9A5855



# Sweetspot

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



3A7656



82998D



5A763A



3F4D45



CCCCCC



4D4D4D



# Same Dimension

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



3A7656



3C9967



3A7674



353B38



007A39



00FA75



# Inverse Universe

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



763A5A



993C6D



763A3C



3B3538



7A0041



FA0085



# Previews

## White Background



This preview shows how the Hex color 3A7656 looks on a white background.

## Color Contrast Check

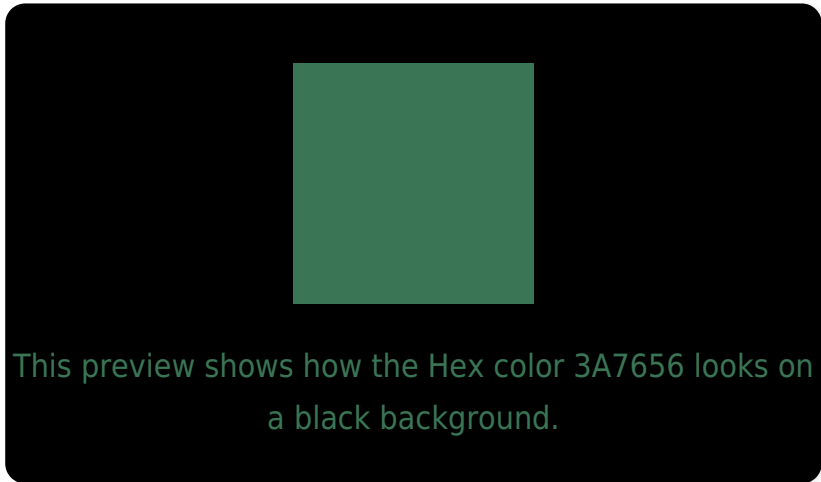
Large Text (above 18pt) WCAG AA ✓ Pass

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

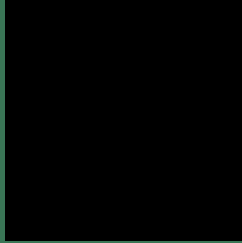
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3A7656 Background



This preview shows how black text looks on a background with the Hex color 3A7656.



This preview shows how white text looks on a background with the Hex color 3A7656.

# 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**  
3A7656

**Protanopia**  
716A50

**Deuteranopia**  
7A665A



**Tritanopia**  
44717A

# Trichromacy



**Original Color**  
3A7656

**Protanomaly**  
5D6E52

**Deuteranomaly**  
636C59

**Tritanomaly**  
40736D

# Monochromacy



**Original Color**  
3A7656

**Achromatopsia**  
606060

**Achromatomaly**  
52685C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3A7656 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 #3A7656 looks like.

```
.text, #text, p{  
    color:#3A7656  
}
```

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 #3A7656 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A7656
}
```

## Border

The CSS property to change the border of an element to Hex 3A7656 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
#3A7656 }
```

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

```
.border{ border-color:#3A7656 }
```

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

Here you see how a box with a 4 pixel #3A7656 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A7656; -webkit-box-shadow:4px 4px  
4px 4px #3A7656; box-shadow:4px 4px 4px  
4px #3A7656 }
```

# Background

The CSS property to change the background color of an element to Hex 3A7656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A7656 }
```

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

```
.background{ background-color:#3A7656 }
```

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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