

# Converting Colors

Hex(563A45)

Have a look what the booklet for  
Hex(563A45) contains.

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**Color**

**Hex(563A45)**

# Conversions

## Conversions Part 1

Format	Color
Hex	563A45
RGB	86, 58, 69
RGB Percent	34%, 23%, 27%
CMY	0.6627, 0.7725, 0.7294
CMYK	0.00, 0.33, 0.20, 0.66
HSL	336°, 19%, 28%
HSV	336°, 33%, 34%
XYZ	6.4250, 5.4342, 6.3405
YIQ	67.6260, 13.1570, 9.3570

# Conversions

## Conversions Part 2

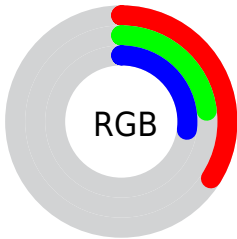
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 58, 69
Decimal	5651013
CIE <sub>Lab</sub>	27.94, 14.29, -1.77
CIE <sub>LCh</sub>	28, 14.402, 352.956
Yxy	5.4342, 0.3530, 0.2986
Android (android.graphics.Color)	4283841093 (0xFF563A45)
YUV	67.6260, 0.6774, 16.1140
Hunter-Lab	23.3114, 8.4024, 0.1916

# Details

The Hex color **563A45** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **3A564B**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **886975**, and **28101A** is the 20% darker color. If you saturate the color by 10%, you get **563140**, and if you desaturate by 10%, it is **56434A**.

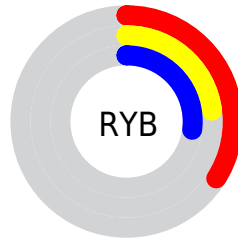
# Distribution



 Red (34%)

 Green (23%)

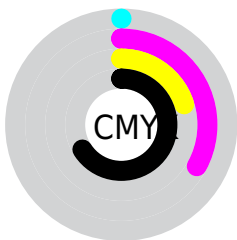
 Blue (27%)



 Red (34%)

 Yellow (23%)

 Blue (27%)

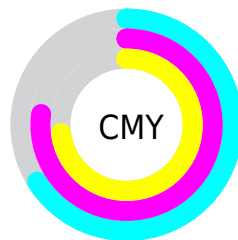


 Cyan (0%)

 Magenta (33%)

 Yellow (20%)

 Black (66%)



 Cyan (66%)

 Magenta (77%)

 Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 563A45 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 563A45 by changing the saturation by 10% instead.



■ 563A45

■ 563A45

FFFFFF

■ 3E242F

■ 886975

■ 28101A

■ A3838F

■ 0E0000

■ BE9DA9

■ 000000

■ DAB8C4

■ F7D4E0

■ FFF0FD

■ 563A45

■ 563A45

■ 563140

■ 56434A

 56293B

 564B4F

 562035

 565455

 561830

 565C5A

 560F2B

 56655F

 560626

 566E64

 560022

 56766A

 567F6F

 568774

# Harmonies

## Analogous

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



4E3C4F



563A45



583A3A

# Triad

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



563A45



41442D



234753

# Complementary

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



563A45



3A564B

# 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.



20484A



563A45



344734

# Square

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



563A45



4C402C



28483F



304458

# Rectangle

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



563A45



563C33



28483F



214751



# Sweetspot

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



563A45



706569



4B3A56



383134



B8B8B8



383838



# Same Dimension

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



563A45



704456



563D3A



2B2729



6B002A



EB005C



# Inverse Universe

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



563A45



704456



3A5356



2B2729



6B002A



EB005C



# Previews

## White Background



This preview shows how the Hex color 563A45 looks on a white background.

## Color Contrast Check

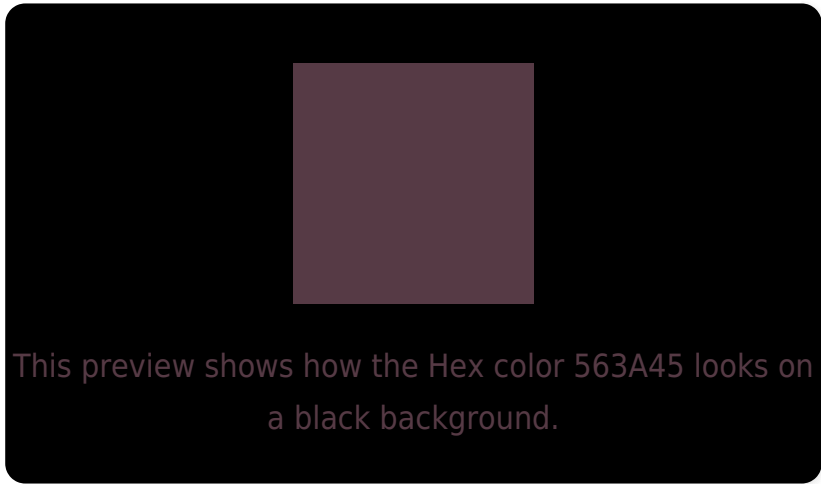
Large Text (above 18pt) WCAG AA ✓ Pass

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

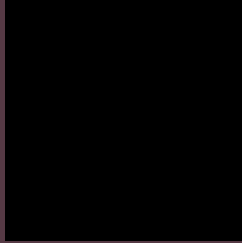
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 563A45 Background



This preview shows how black text looks on a background with the Hex color 563A45.



This preview shows how white text looks on a background with the Hex color 563A45.

# 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](#).

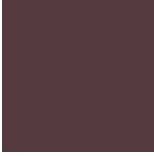
## Dichromacy



**Original Color**  
563A45

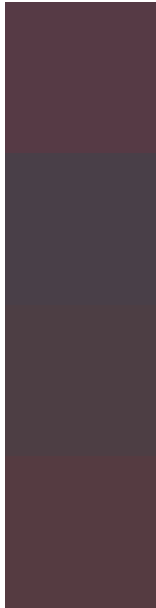
**Protanopia**  
41424A

**Deuteranopia**  
484044



**Tritanopia**  
553B3F

# Trichromacy



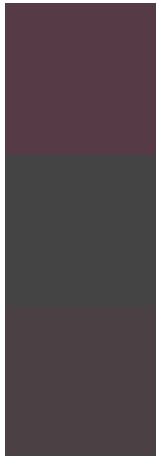
**Original Color**  
563A45

**Protanomaly**  
493F48

**Deuteranomaly**  
4D3E44

**Tritanomaly**  
553B41

# Monochromacy



**Original Color**  
563A45

**Achromatopsia**  
444444

**Achromatomaly**  
4B4044

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 563A45 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 #563A45 looks like.

```
.text, #text, p{  
    color:#563A45  
}
```

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 #563A45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #563A45
}
```

## Border

The CSS property to change the border of an element to Hex 563A45 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".

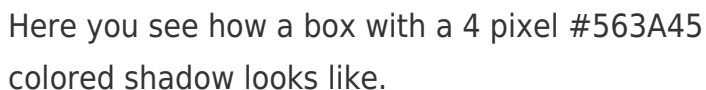
```
.border, #border, table{ border:4px solid
#563A45 }
```

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

```
.border{ border-color:#563A45 }
```

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

Here you see how a box with a 4 pixel #563A45 colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin dark blue border. Below the box, there is a thick dark blue shadow that extends to the right and bottom.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #563A45; -webkit-box-shadow:4px 4px  
4px 4px #563A45; box-shadow:4px 4px 4px  
4px #563A45 }
```

# Background

The CSS property to change the background color of an element to Hex 563A45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#563A45 }
```

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

```
.background{ background-color:#563A45 }
```

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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