

# Converting Colors

Hex(564345)

Have a look what the booklet for  
Hex(564345) contains.

<b>Hex(564345)</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(564345)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	564345
RGB	86, 67, 69
RGB Percent	34%, 26%, 27%
CMY	0.6627, 0.7373, 0.7294
CMYK	0.00, 0.22, 0.20, 0.66
HSL	354°, 12%, 30%
HSV	354°, 22%, 34%
XYZ	6.9191, 6.4224, 6.5052
YIQ	72.9090, 10.6820, 4.6500

# Conversions

## Conversions Part 2

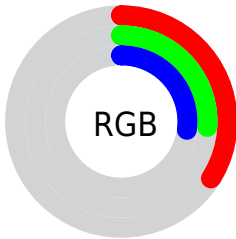
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 67, 69
Decimal	5653317
CIE Lab	30.45, 8.54, 1.91
CIE LCh	30, 8.750, 12.589
Yxy	6.4224, 0.3486, 0.3236
Android (android.graphics.Color)	4283843397 (0xFF564345)
YUV	72.9090, -1.9271, 11.4808
Hunter-Lab	25.3425, 4.3853, 2.5205

# Details

The Hex color **564345** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **435654**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **887375**, and **28181A** is the 20% darker color. If you saturate the color by 10%, you get **563A3D**, and if you desaturate by 10%, it is **564C4D**.

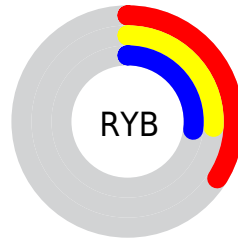
# Distribution



Red (34%)

Green (26%)

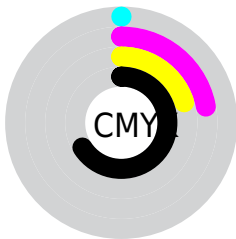
Blue (27%)



Red (34%)

Yellow (26%)

Blue (27%)

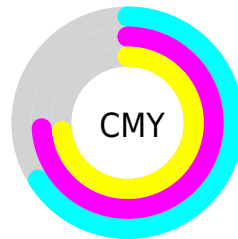


Cyan (0%)

Magenta (22%)

Yellow (20%)

Black (66%)



Cyan (66%)

Magenta (74%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 564345 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 564345 by changing the saturation by 10% instead.





564345



564345

FFFFFF



3F2D2F



887375



28181A



A28D8F



150000



BEA7A9



000000



D9C2C4



F6DEE0



FFFBFD



564345



564345



563A3D



564C4D

■ 563236

■ 565454

■ 56292E

■ 565D5C

■ 562126

■ 566564

■ 56181F

■ 566E6B

■ 560F17

■ 567773

■ 56070F

■ 567F7B

■ 560009

■ 568883

■ 56908A

# Harmonies

## Analogous

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



53434C



564345



55443F

# Triad

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



564345



424A3E



3C4954

# Complementary

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



564345



435654

# 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.



364B51



564345



3B4B43

# Square

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



564345



4A483A



364C4A



444755

# Rectangle

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



564345



53453C



364C4A



394A54



# Sweetspot

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



564345



706869



544356



383434



B8B8B8



383838



# Same Dimension

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



564345



705255



564A43



2B2727



6B000B



EB0019



# Inverse Universe

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



564345



705255



434F56



2B2727



6B000B



EB0019



# Previews

## White Background



This preview shows how the Hex color 564345 looks on a white background.

## Color Contrast Check

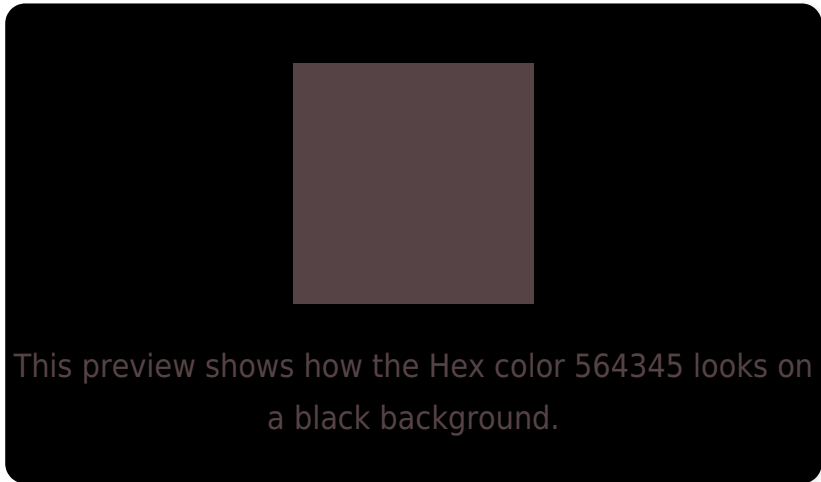
Large Text (above 18pt) WCAG AA ✓ Pass

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

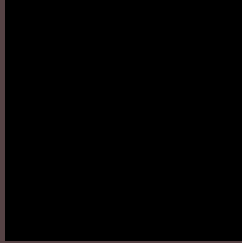
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 564345 Background



This preview shows how black text looks on a background with the Hex color 564345.

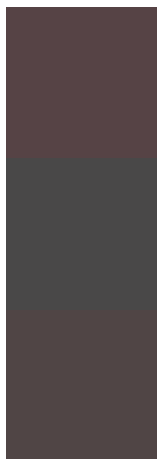


This preview shows how white text looks on a background with the Hex color 564345.

# 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](#).

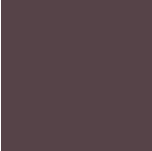
## Dichromacy



**Original Color**  
564345

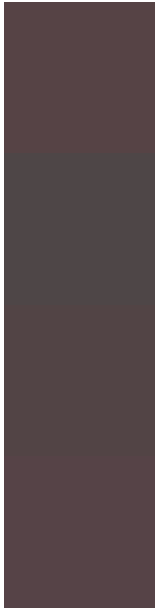
**Protanopia**  
494848

**Deuteranopia**  
504545



**Tritanopia**  
564348

# Trichromacy



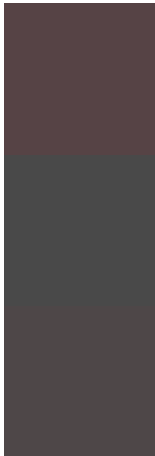
**Original Color**  
564345

**Protanomaly**  
4E4647

**Deuteranomaly**  
524445

**Tritanomaly**  
564347

# Monochromacy



**Original Color**  
564345

**Achromatopsia**  
494949

**Achromatomaly**  
4E4748

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 564345 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 #564345 looks like.

```
.text, #text, p{  
    color:#564345  
}
```

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 #564345 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #564345
}
```

## Border

The CSS property to change the border of an element to Hex 564345 is called "border". The border property can be set on classes, ids or directly on the HTML element.

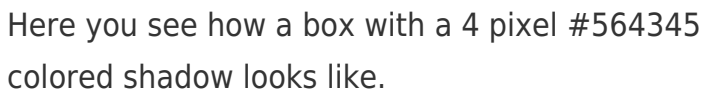
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#564345 }
```

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

```
.border{ border-color:#564345 }
```

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



Here you see how a box with a 4 pixel #564345 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #564345; -webkit-box-shadow:4px 4px  
4px 4px #564345; box-shadow:4px 4px 4px  
4px #564345 }
```

# Background

The CSS property to change the background color of an element to Hex 564345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#564345 }
```

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

```
.background{ background-color:#564345 }
```

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