

# Converting Colors

Hex(556B39)

Have a look what the booklet for  
Hex(556B39) contains.

<b>Hex(556B39)</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(556B39)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	556B39
RGB	85, 107, 57
RGB Percent	33%, 42%, 22%
CMY	0.6667, 0.5804, 0.7765
CMYK	0.21, 0.00, 0.47, 0.58
HSL	86°, 30%, 32%
HSV	86°, 47%, 42%
XYZ	9.7425, 12.7421, 5.8169
YIQ	94.7220, 2.9380, -20.2140

# Conversions

## Conversions Part 2

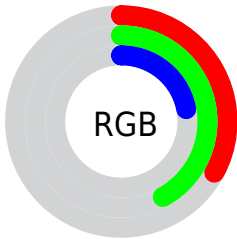
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 107, 79
Decimal	5598009
CIELab	42.37, -17.60, 25.32
CIElCh	42, 30.836, 124.814
Yxy	12.7421, 0.3442, 0.4502
Android (android.graphics.Color)	4283788089 (0xFF556B39)
YUV	94.7220, -18.5969, -8.5262
Hunter-Lab	35.6961, -13.7501, 15.3256

# Details

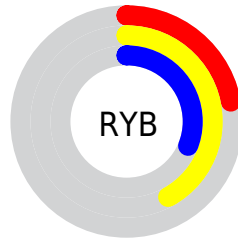
The Hex color **556B39** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4F396B**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **889E69**, and **263C0C** is the 20% darker color. If you saturate the color by 10%, you get **506B2E**, and if you desaturate by 10%, it is **5A6B44**.

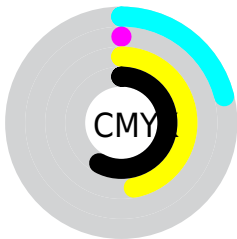
# Distribution



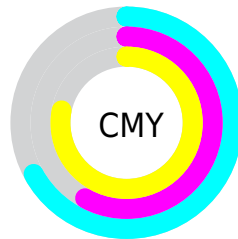
- Red (33%)
- Green (42%)
- Blue (22%)



- Red (22%)
- Yellow (42%)
- Blue (31%)



- Cyan (21%)
- Magenta (0%)
- Yellow (47%)
- Black (58%)



- Cyan (67%)
- Magenta (58%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 556B39 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 556B39 by changing the saturation by 10% instead.



 556B39

 556B39

FFFFFF

 3D5322

 889E69

 263C0C

 A2B983

 112600

 BED59D

 000F00

 DAF2B8

 000000

 F6FFD4

 FFFFF0

 556B39

 556B39

 506B2E

 5A6B44

■ 4C6B24

■ 5E6B4E

■ 476B19

■ 636B59

■ 426B0E

■ 686B64

■ 3D6B03

■ 6D6B6E

■ 3C6B00

■ 716B79

■ 766B84

■ 7B6B8F

■ 7F6B99

# Harmonies

## Analogous

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



706430



556B39



346F4D

# Triad

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



556B39



006C92



944F61

# Complementary

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



556B39



4F396B

# 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.



87537A



556B39



426596

# Square

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



556B39



007080



6C5C8E



925348

# Rectangle

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



556B39



12715F



6C5C8E



91506A



# Sweetspot

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



556B39



848C79



6B4F39



42473B



C7C7C7



474747



# Same Dimension

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



556B39



6A8C3E



3C6B39



333630



427500



89F500



# Inverse Universe

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



4F396B



603E8C



68396B



333036



340075



6C00F5



# Previews

## White Background



This preview shows how the Hex color 556B39 looks on a white background.

## Color Contrast Check

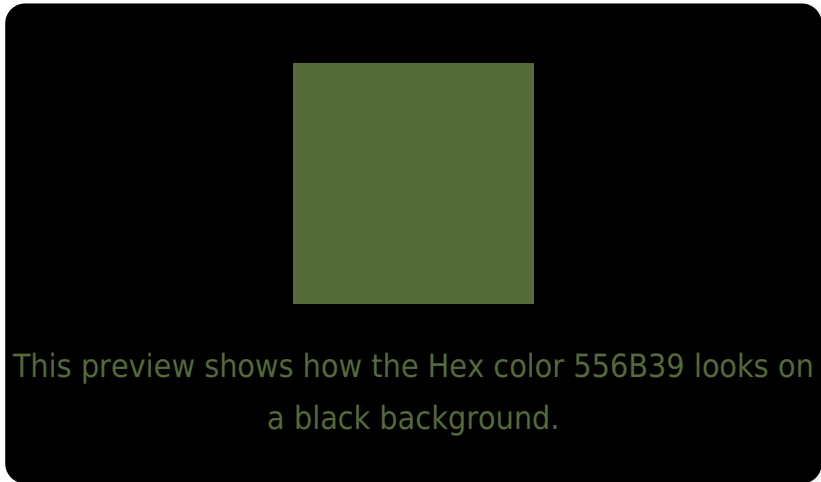
Large Text (above 18pt) WCAG AA ✓ Pass

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

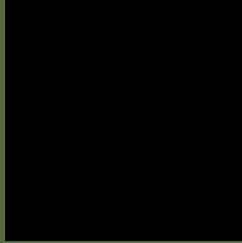
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 556B39 Background



This preview shows how black text looks on a background with the Hex color 556B39.



This preview shows how white text looks on a background with the Hex color 556B39.

# 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](#).

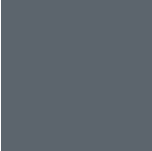
## Dichromacy



**Original Color**  
556B39

**Protanopia**  
6E6436

**Deuteranopia**  
795F3C



**Tritanopia**  
5C656D

# Trichromacy



**Original Color**  
556B39

**Protanomaly**  
656737

**Deuteranomaly**  
6C633B

**Tritanomaly**  
59675A

# Monochromacy



**Original Color**  
556B39

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
5B6351

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 556B39 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 #556B39 looks like.

```
.text, #text, p{  
    color:#556B39  
}
```

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 #556B39 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #556B39
}
```

## Border

The CSS property to change the border of an element to Hex 556B39 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
#556B39 }
```

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

```
.border{ border-color:#556B39 }
```

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

Here you see how a box with a 4 pixel #556B39 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #556B39; -webkit-box-shadow:4px 4px  
4px 4px #556B39; box-shadow:4px 4px 4px  
4px #556B39 }
```

# Background

The CSS property to change the background color of an element to Hex 556B39 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#556B39 }
```

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

```
.background{ background-color:#556B39 }
```

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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