

# Converting Colors

Hex(556939)

Have a look what the booklet for  
Hex(556939) contains.

<b>Hex(556939)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(556939)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	556939
RGB	85, 105, 57
RGB Percent	33%, 41%, 22%
CMY	0.6667, 0.5882, 0.7765
CMYK	0.19, 0.00, 0.46, 0.59
HSL	85°, 30%, 32%
HSV	85°, 46%, 41%
XYZ	9.5364, 12.3299, 5.7482
YIQ	93.5480, 3.4880, -19.1680

# Conversions

## Conversions Part 2

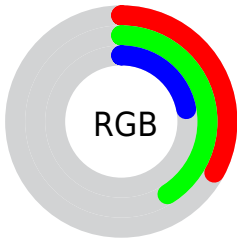
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 105, 77
Decimal	5597497
CIELab	41.74, -16.52, 24.52
CIElCh	42, 29.565, 123.978
Yxy	12.3299, 0.3453, 0.4465
Android (android.graphics.Color)	4283787577 (0xFF556939)
YUV	93.5480, -18.0182, -7.4966
Hunter-Lab	35.1139, -12.9714, 14.8739

# Details

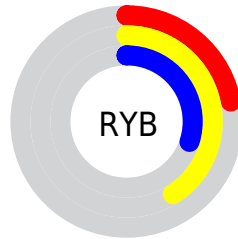
The Hex color **556939** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4D3969**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **889C69**, and **263A0D** is the 20% darker color. If you saturate the color by 10%, you get **51692F**, and if you desaturate by 10%, it is **596944**.

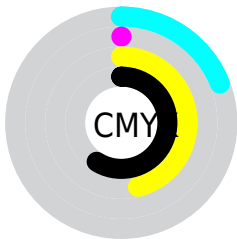
# Distribution



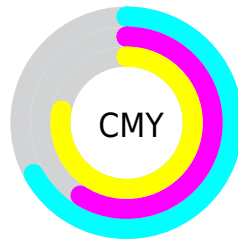
- Red (33%)
- Green (41%)
- Blue (22%)



- Red (22%)
- Yellow (41%)
- Blue (30%)



- Cyan (19%)
- Magenta (0%)
- Yellow (46%)
- Black (59%)



- Cyan (67%)
- Magenta (59%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 556939 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 556939 by changing the saturation by 10% instead.





556939



556939

FFFFFF



3D5123



889C69



263A0D



A2B782



122400



BDD39D



000C00



D9EFB8



000000



F6FFD3



FFFFFF0



556939



556939



51692F



596944

■ 4C6924

■ 5E694E

■ 48691A

■ 626959

■ 44690F

■ 676963

■ 3F6905

■ 6B696E

■ 3D6900

■ 6F6978

■ 746983

■ 78698D

■ 7C6998

# Harmonies

## Analogous

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



6F6231



556939



366D4C

# Triad

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



556939



006B8E



904F60

# Complementary

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



556939



4D3969

# 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.



835278



556939



426493

# Square

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



556939



006E7D



695B8B



8F5249

# Rectangle

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



556939



1A6F5D



695B8B



8D4F68



# Sweetspot

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



556939



828A76



694D39



404539



C4C4C4



454545



# Same Dimension

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



556939



6A8A3E



3D6939



333630



447500



8FF500



# Inverse Universe

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



4D3969



5E3E8A



653969



323036



310075



6600F5



# Previews

## White Background



This preview shows how the Hex color 556939 looks on a white background.

## Color Contrast Check

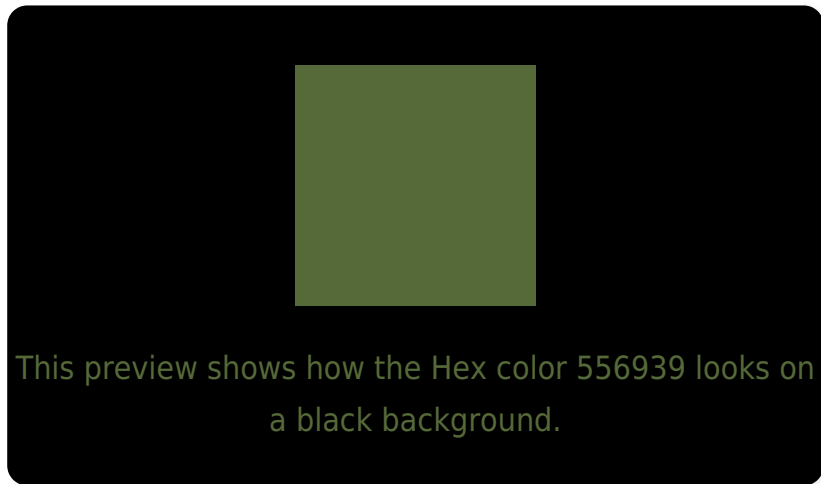
Large Text (above 18pt) WCAG AA ✓ Pass

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

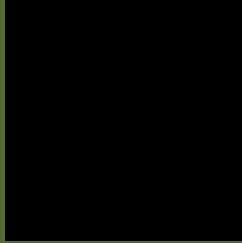
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 556939 Background



This preview shows how black text looks on a background with the Hex color 556939.



This preview shows how white text looks on a background with the Hex color 556939.

# 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](#).

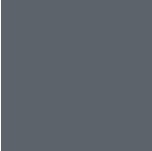
## Dichromacy



**Original Color**  
556939

**Protanopia**  
6C6237

**Deuteranopia**  
775E3C



**Tritanopia**  
5C636B

# Trichromacy



**Original Color**  
556939

**Protanomaly**  
646538

**Deuteranomaly**  
6B623B

**Tritanomaly**  
596559

# Monochromacy



**Original Color**  
556939

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
5B6251

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 556939 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 #556939 looks like.

```
.text, #text, p{  
    color:#556939  
}
```

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 #556939 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #556939
}
```

## Border

The CSS property to change the border of an element to Hex 556939 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
#556939 }
```

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

```
.border{ border-color:#556939 }
```

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

Here you see how a box with a 4 pixel #556939 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #556939; -webkit-box-shadow:4px 4px  
4px 4px #556939; box-shadow:4px 4px 4px  
4px #556939 }
```

# Background

The CSS property to change the background color of an element to Hex 556939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#556939 }
```

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

```
.background{ background-color:#556939 }
```

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