

# Converting Colors

Hex(556B2F)

Have a look what the booklet for  
Hex(556B2F) contains.

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# Color

Hex(556B2F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	556B2F
RGB	85, 107, 47
RGB Percent	33%, 42%, 18%
CMY	0.6667, 0.5804, 0.8157
CMYK	0.21, 0.00, 0.56, 0.58
HSL	82°, 39%, 30%
HSV	82°, 56%, 42%
XYZ	9.5171, 12.6519, 4.6298
YIQ	93.5820, 6.1480, -23.3240

# Conversions

## Conversions Part 2

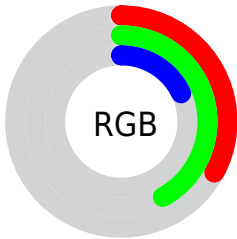
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 107, 69
Decimal	5597999
CIELab	42.23, -18.83, 30.60
CIELCh	42, 35.926, 121.607
Yxy	12.6519, 0.3551, 0.4721
Android (android.graphics.Color)	4283788079 (0xFF556B2F)
YUV	93.5820, -22.9649, -7.5264
Hunter-Lab	35.5695, -14.4867, 17.1814

# Details

The Hex color **556B2F** is a dark color, and the websafe version is hex **666633**, and the color name is **darkolivegreen**. A complement of this color would be **452F6B**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **889E5F**, and **253C00** is the 20% darker color. If you saturate the color by 10%, you get **516B24**, and if you desaturate by 10%, it is **596B3A**.

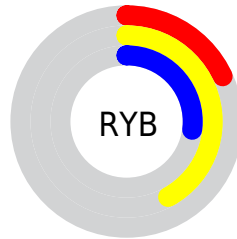
# Distribution



 Red (33%)

 Green (42%)

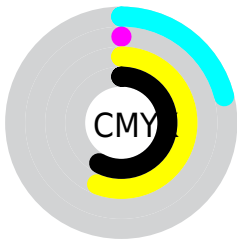
 Blue (18%)



 Red (18%)

 Yellow (42%)

 Blue (27%)

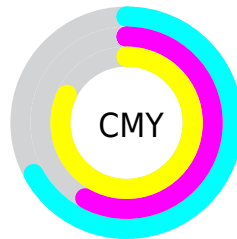


 Cyan (21%)


 Magenta (0%)

 Yellow (56%)

 Black (58%)



 Cyan (67%)

 Magenta (58%)

 Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 556B2F 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 556B2F by changing the saturation by 10% instead.



■ 556B2F

■ 556B2F

FFFFFF

■ 3D5318

■ 889E5F

■ 253C00

■ A3B978

■ 0F2600

■ BED592

■ 000F00

■ DAF2AD

■ 000000

■ F7FFC9

■ FFFF E5

■ 556B2F

■ 556B2F

■ 516B24

■ 596B3A

■ 4D6B1A

■ 5D6B44

■ 496B0F

■ 616B4F

■ 456B04

■ 656B5A

■ 446B00

■ 696B65

■ 6D6B6F

■ 706B7A

■ 746B85

■ 786B8F

# Harmonies

## Analogous

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



736326



556B2F



2D7046

# Triad

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



556B2F



006E97



9A4A63

# Complementary

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



556B2F



452F6B

# 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.



895080



556B2F



2F669F

# Square

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



556B2F



007282



685B96



994E46

# Rectangle

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



556B2F



00725A



685B96



964B6D



# Sweetspot

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



556B2F



848C74



6B452F



424739



C7C7C7



474747



# Same Dimension

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



556B2F



6A8C2E



376B2F



343630



4A7500



9BF500



# Inverse Universe

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



452F6B



512E8C



632F6B



323036



2B0075



5A00F5



# Previews

## White Background



This preview shows how the Hex color 556B2F looks on a white background.

## Color Contrast Check

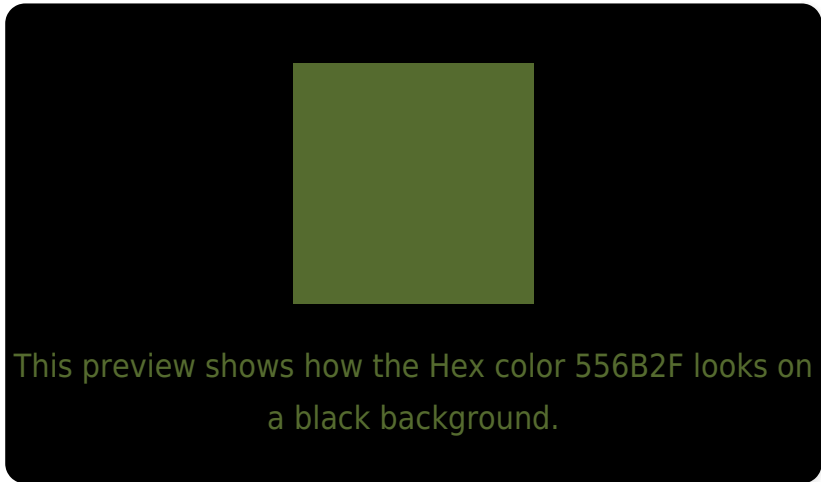
Large Text (above 18pt) WCAG AA ✓ Pass

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

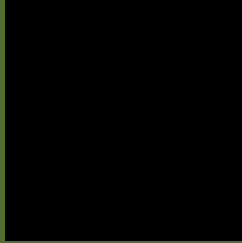
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 556B2F Background



This preview shows how black text looks on a background with the Hex color 556B2F.



This preview shows how white text looks on a background with the Hex color 556B2F.

# 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](#).

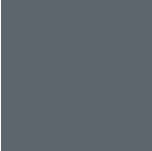
## Dichromacy



**Original Color**  
556B2F

**Protanopia**  
6E642D

**Deuteranopia**  
7A5F32



**Tritanopia**  
5D656D

# Trichromacy



**Original Color**  
556B2F

**Protanomaly**  
65672E

**Deuteranomaly**  
6D6331

**Tritanomaly**  
5A6756

# Monochromacy



**Original Color**  
556B2F

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
5B634D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 556B2F 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 #556B2F looks like.

```
.text, #text, p{  
    color:#556B2F  
}
```

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 #556B2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #556B2F
}
```

## Border

The CSS property to change the border of an element to Hex 556B2F 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
#556B2F }
```

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

```
.border{ border-color:#556B2F }
```

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

Here you see how a box with a 4 pixel #556B2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #556B2F; -webkit-box-shadow:4px 4px  
4px 4px #556B2F; box-shadow:4px 4px 4px  
4px #556B2F }
```

# Background

The CSS property to change the background color of an element to Hex 556B2F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#556B2F }
```

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

```
.background{ background-color:#556B2F }
```

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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