

# Converting Colors

Hex(50752F)

Have a look what the booklet for  
Hex(50752F) contains.

<b>Hex(50752F)</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(50752F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	50752F
RGB	80, 117, 47
RGB Percent	31%, 46%, 18%
CMY	0.6863, 0.5412, 0.8157
CMYK	0.32, 0.00, 0.60, 0.54
HSL	92°, 43%, 32%
HSV	92°, 60%, 46%
XYZ	10.1826, 14.6333, 4.9771
YIQ	97.9570, 0.4180, -29.6140

# Conversions

## Conversions Part 2

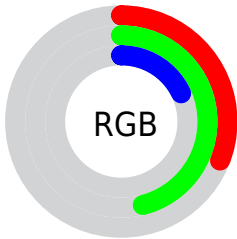
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 117, 84
Decimal	5272879
CIELab	45.13, -26.01, 33.88
CIELCh	45, 42.715, 127.513
Yxy	14.6333, 0.3418, 0.4912
Android (android.graphics.Color)	4283462959 (0xFF50752F)
YUV	97.9570, -25.1218, -15.7483
Hunter-Lab	38.2535, -19.4289, 19.0632

# Details


The Hex color **50752F** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **542F75**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **84A960**, and **1F4400** is the 20% darker color. If you saturate the color by 10%, you get **4A7523**, and if you desaturate by 10%, it is **56753B**.

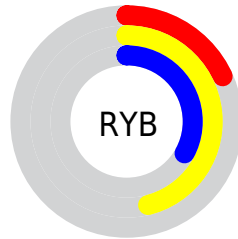
# Distribution



 Red (31%)

 Green (46%)

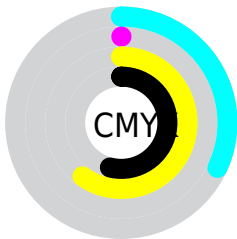
 Blue (18%)




 Red (18%)

 Yellow (46%)

 Blue (33%)

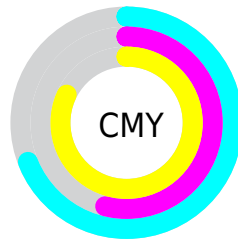


 Cyan (32%)


 Magenta (0%)

 Yellow (60%)

 Black (54%)



 Cyan (69%)

 Magenta (54%)

 Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50752F 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 50752F by changing the saturation by 10% instead.



 50752F

 50752F

FFFFFF

 375C17

 84A960

 1F4400

 9EC579

 052E00

 BAE193

 001B00

 D6FDAE

 000000

 F3FFCA

 FFFFE6

 50752F

 50752F

 4A7523

 56753B

■ 447518

■ 5C7546

■ 3D750C

■ 637552

■ 377500

■ 69755E

■ 6F756A

■ 757575

■ 7B7581

■ 81758D

■ 887598

# Harmonies

## Analogous

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



766C1F



50752F



0D7A4E

# Triad

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



50752F



0076AC



AC4A63

# Complementary

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



50752F



542F75

# 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.



9D5087



50752F



356CB1

# Square

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



50752F



007B95



795EA4



A85241

# Rectangle

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



50752F



007C67



795EA4



A94B6F



# Sweetspot

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



50752F



8A997D



75532F



444D3C



CCCCCC



4D4D4D



# Same Dimension

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



50752F



5F992B



2F7530



383B35



3A7A00



76FA00



# Inverse Universe

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



542F75



652B99



752F74



38353B



41007A



8400FA



# Previews

## White Background



This preview shows how the Hex color 50752F looks on a white background.

## Color Contrast Check

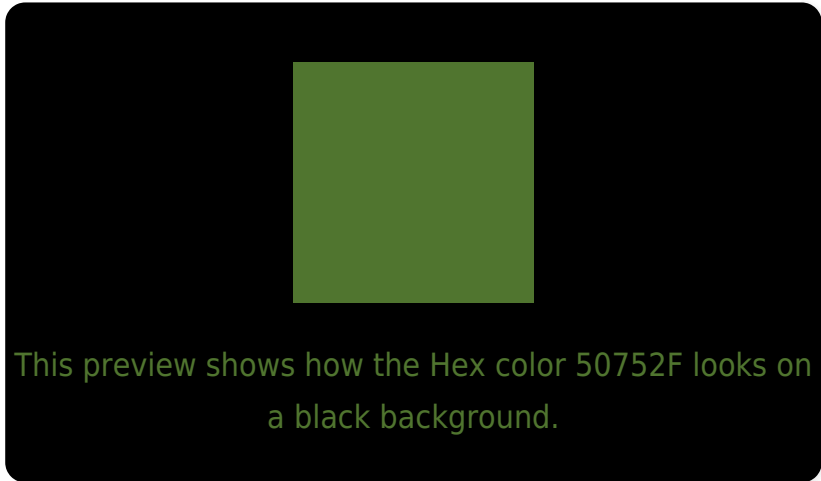
Large Text (above 18pt) WCAG AA ✓ Pass

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 50752F Background



This preview shows how black text looks on a background with the Hex color 50752F.



This preview shows how white text looks on a background with the Hex color 50752F.

# 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**  
50752F

**Protanopia**  
776B2C

**Deuteranopia**  
836534



**Tritanopia**  
5A6E76

# Trichromacy



**Original Color**  
50752F

**Protanomaly**  
696F2D

**Deuteranomaly**  
706B32

**Tritanomaly**  
56715C

# Monochromacy



**Original Color**  
50752F

**Achromatopsia**  
626262

**Achromatomaly**  
5B694F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50752F 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 #50752F looks like.

```
.text, #text, p{  
    color:#50752F  
}
```

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 #50752F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50752F
}
```

## Border

The CSS property to change the border of an element to Hex 50752F 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
#50752F }
```

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

```
.border{ border-color:#50752F }
```

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

Here you see how a box with a 4 pixel #50752F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50752F; -webkit-box-shadow:4px 4px  
4px 4px #50752F; box-shadow:4px 4px 4px  
4px #50752F }
```

# Background

The CSS property to change the background color of an element to Hex 50752F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50752F }
```

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

```
.background{ background-color:#50752F }
```

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