

# Converting Colors

Hex(5D7644)

Have a look what the booklet for  
Hex(5D7644) contains.

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# Color

**Hex(5D7644)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D7644
RGB	93, 118, 68
RGB Percent	36%, 46%, 27%
CMY	0.6353, 0.5373, 0.7333
CMYK	0.21, 0.00, 0.42, 0.54
HSL	90°, 27%, 36%
HSV	90°, 42%, 46%
XYZ	12.0360, 15.7014, 7.8651
YIQ	104.8250, 1.1500, -20.8500

# Conversions

## Conversions Part 2

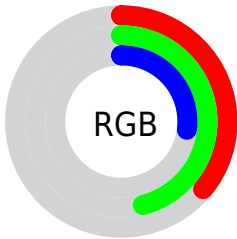
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 118, 93
Decimal	6125124
CIELab	46.58, -18.66, 24.60
CIElCh	47, 30.878, 127.176
Yxy	15.7014, 0.3381, 0.4410
Android (android.graphics.Color)	4284315204 (0xFF5D7644)
YUV	104.8250, -18.1547, -10.3705
Hunter-Lab	39.6250, -15.1246, 15.9690

# Details

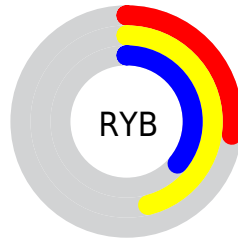
The Hex color **5D7644** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5D4476**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **90AA75**, and **2D4617** is the 20% darker color. If you saturate the color by 10%, you get **577638**, and if you desaturate by 10%, it is **637650**.

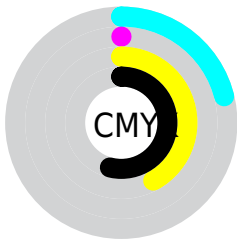
# Distribution



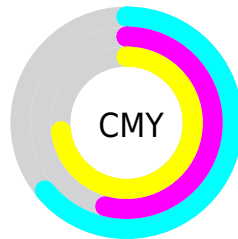
- Red (36%)
- Green (46%)
- Blue (27%)



- Red (27%)
- Yellow (46%)
- Blue (36%)



- Cyan (21%)
- Magenta (0%)
- Yellow (42%)
- Black (54%)



- Cyan (64%)
- Magenta (54%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5D7644 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 5D7644 by changing the saturation by 10% instead.



■ 5D7644

■ 5D7644

FFFFFF

■ 455D2D

■ 90AA75

■ 2D4617

■ ABC68F

■ 182F00

■ C7E2A9

■ 001C00

■ E3FEC5

■ 000000

■ FFFFE1

FFFFFFE

■ 5D7644

■ 5D7644

■ 577638

■ 637650

■ 51762C

■ 69765C

■ 4B7621

■ 6F7667

■ 457615

■ 757673

■ 3F7609

■ 7B767F

■ 3B7600

■ 80768B

■ 867697

■ 8C76A2

■ 9276AE

# Harmonies

## Analogous

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



796F3A



5D7644



3C7A59

# Triad

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



5D7644



17769E



A05A69

# Complementary

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



5D7644



5D4476

# 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.



945D83



5D7644



516FA2

# Square

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



5D7644



007B8D



796598



9D5D50

# Rectangle

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



5D7644



1E7C6B



796598



9D5A72



# Sweetspot

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



5D7644



8F9985



765D44



464D40



CCCCCC



4D4D4D



# Same Dimension

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



5D7644



72994B



447644



383B35



3D7A00



7DFA00



# Inverse Universe

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



5D4476



724B99



764476



38353B



3D007A



7D00FA



# Previews

## White Background



This preview shows how the Hex color 5D7644 looks on a white background.

## Color Contrast Check

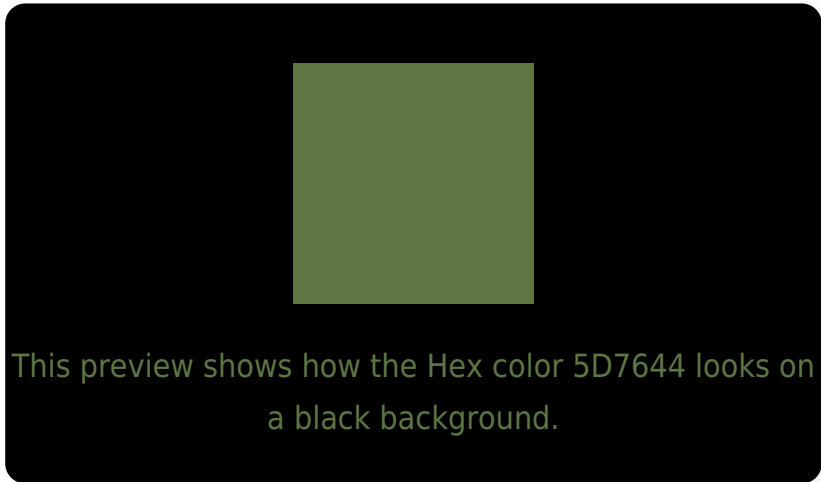
Large Text (above 18pt) WCAG AA ✓ Pass

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

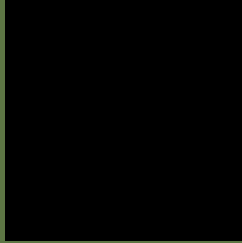
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5D7644 Background



This preview shows how black text looks on a background with the Hex color 5D7644.



This preview shows how white text looks on a background with the Hex color 5D7644.

# 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**  
5D7644

**Protanopia**  
796E41

**Deuteranopia**  
856947



**Tritanopia**  
657079

# Trichromacy



**Original Color**  
5D7644

**Protanomaly**  
6F7142

**Deuteranomaly**  
766E46

**Tritanomaly**  
627266

# Monochromacy



**Original Color**  
5D7644

**Achromatopsia**  
696969

**Achromatomaly**  
656E5C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5D7644 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 #5D7644 looks like.

```
.text, #text, p{  
    color:#5D7644  
}
```

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 #5D7644 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5D7644
}
```

## Border

The CSS property to change the border of an element to Hex 5D7644 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
#5D7644 }
```

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

```
.border{ border-color:#5D7644 }
```

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

Here you see how a box with a 4 pixel #5D7644 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5D7644; -webkit-box-shadow:4px 4px  
4px 4px #5D7644; box-shadow:4px 4px 4px  
4px #5D7644 }
```

# Background

The CSS property to change the background color of an element to Hex 5D7644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5D7644 }
```

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

```
.background{ background-color:#5D7644 }
```

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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