

# Converting Colors

Hex(2B7534)

Have a look what the booklet for  
Hex(2B7534) contains.

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**Color**

**Hex(2B7534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B7534
RGB	43, 117, 52
RGB Percent	17%, 46%, 20%
CMY	0.8314, 0.5412, 0.7961
CMYK	0.63, 0.00, 0.56, 0.54
HSL	127°, 46%, 31%
HSV	127°, 63%, 46%
XYZ	7.9774, 13.4841, 5.4311
YIQ	87.4640, -23.2390, -35.9030

# Conversions

## Conversions Part 2

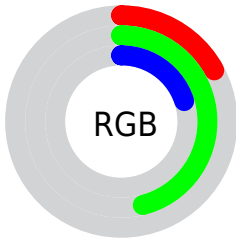
Format	Color
<b>RYB</b>	43, 109, 117
Decimal	2848052
CIELab	43.48, -37.48, 28.94
CIELCh	43, 47.350, 142.330
Yxy	13.4841, 0.2966, 0.5014
Android (android.graphics.Color)	4281038132 (0xFF2B7534)
YUV	87.4640, -17.4838, -38.9949
Hunter-Lab	36.7207, -25.4830, 16.9354

# Details

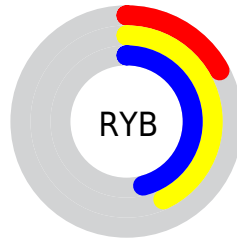
The Hex color **2B7534** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **752B6C**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **61AA64**, and **004405** is the 20% darker color. If you saturate the color by 10%, you get **1F752A**, and if you desaturate by 10%, it is **37753E**.

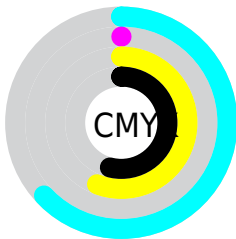
# Distribution



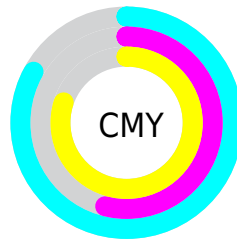
- Red (17%)
- Green (46%)
- Blue (20%)



- Red (17%)
- Yellow (43%)
- Blue (46%)



- Cyan (63%)
- Magenta (0%)
- Yellow (56%)
- Black (54%)



- Cyan (83%)
- Magenta (54%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B7534 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 2B7534 by changing the saturation by 10% instead.



 2B7534

 2B7534

FFFFFF

 085C1D

 61AA64

 004405

 7CC57E

 002D00

 97E298

 001400

 B3FFB3

 000000

 CFFFCF

 ECFFEB

 2B7534

 2B7534

 1F752A

 37753E

■ 14751F

■ 427549

■ 087515

■ 4E7553

■ 00750E

■ 5A755D

■ 667567

■ 717572

■ 7D757C

■ 897586

■ 947590

# Harmonies

## Analogous

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



5E6D15



2B7534



00795B

# Triad

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



2B7534



006EB5



AD444B

# Complementary

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



2B7534



752B6C

# 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.



A84273



2B7534



5461B0

# Square

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



2B7534



0076A4



8C4F97



9F5229

# Rectangle

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



2B7534



007976



8C4F97



AE4158



# Sweetspot

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



2B7534



7C997F



6C752B



3B4D3D



CCCCCC



4D4D4D



# Same Dimension

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



2B7534



259933



2B7559



353B35



007A0F



00FA1E



# Inverse Universe

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



752B6C



99258B



752B47



3B353A



7A006C



FA00DC



# Previews

## White Background



This preview shows how the Hex color 2B7534 looks on a white background.

## Color Contrast Check

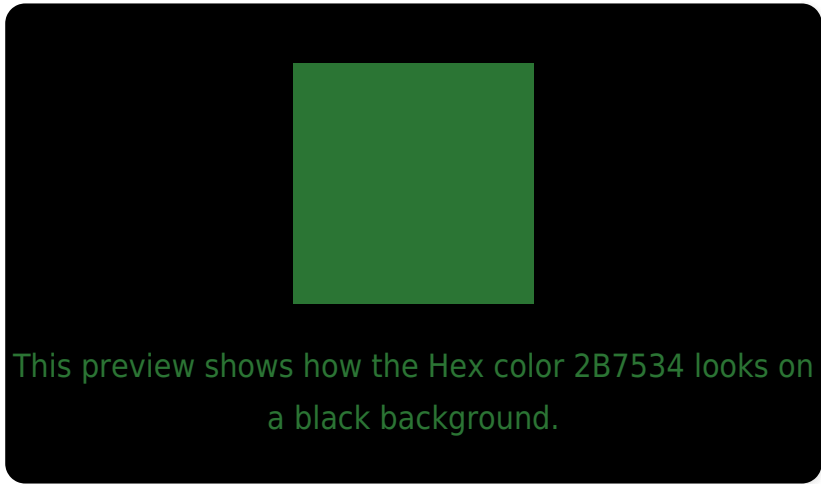
Large Text (above 18pt) WCAG AA ✓ Pass

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

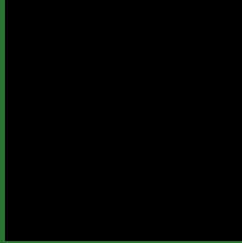
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B7534 Background



This preview shows how black text looks on a background with the Hex color 2B7534.



This preview shows how white text looks on a background with the Hex color 2B7534.

# 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**  
2B7534

**Protanopia**  
71662F

**Deuteranopia**  
7D6139



**Tritanopia**  
3D6E77

# Trichromacy



**Original Color**  
2B7534

**Protanomaly**  
586B31

**Deuteranomaly**  
5F6837

**Tritanomaly**  
36715F

# Monochromacy



**Original Color**  
2B7534

**Achromatopsia**  
575757

**Achromatomaly**  
47624A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B7534 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 #2B7534 looks like.

```
.text, #text, p{  
    color:#2B7534  
}
```

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 #2B7534 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B7534
}
```

## Border

The CSS property to change the border of an element to Hex 2B7534 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
#2B7534 }
```

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

```
.border{ border-color:#2B7534 }
```

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

Here you see how a box with a 4 pixel #2B7534 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B7534; -webkit-box-shadow:4px 4px  
4px 4px #2B7534; box-shadow:4px 4px 4px  
4px #2B7534 }
```

# Background

The CSS property to change the background color of an element to Hex 2B7534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B7534 }
```

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

```
.background{ background-color:#2B7534 }
```

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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