

# Converting Colors

Hex(2A7942)

Have a look what the booklet for  
Hex(2A7942) contains.

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**Color**

**Hex(2A7942)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A7942
RGB	42, 121, 66
RGB Percent	16%, 47%, 26%
CMY	0.8353, 0.5255, 0.7412
CMYK	0.65, 0.00, 0.45, 0.53
HSL	138°, 48%, 32%
HSV	138°, 65%, 47%
XYZ	8.7756, 14.5603, 7.5022
YIQ	91.1090, -29.4290, -33.8530

# Conversions

## Conversions Part 2

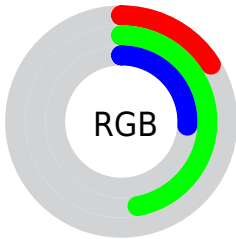
Format	Color
<b>RYB</b>	42, 103, 121
Decimal	2783554
CIELab	45.03, -37.06, 23.23
CIElCh	45, 43.733, 147.923
Yxy	14.5603, 0.2846, 0.4722
Android (android.graphics.Color)	4280973634 (0xFF2A7942)
YUV	91.1090, -12.3787, -43.0686
Hunter-Lab	38.1580, -25.7250, 15.0537

# Details

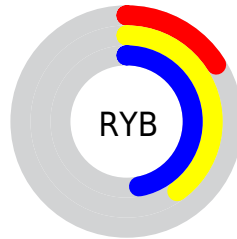
The Hex color **2A7942** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **792A61**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **61AE73**, and **004715** is the 20% darker color. If you saturate the color by 10%, you get **1E793A**, and if you desaturate by 10%, it is **36794A**.

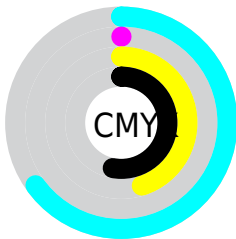
# Distribution



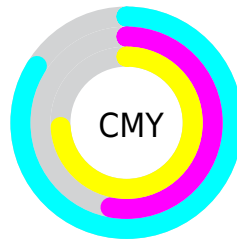
- Red (16%)
- Green (47%)
- Blue (26%)



- Red (16%)
- Yellow (40%)
- Blue (47%)



- Cyan (65%)
- Magenta (0%)
- Yellow (45%)
- Black (53%)



- Cyan (84%)
- Magenta (53%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A7942 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 2A7942 by changing the saturation by 10% instead.



 2A7942

 2A7942

FFFFFF

 05602B

 61AE73

 004715

 7CCA8D

 003000

 97E6A7

 001A00

 B3FFC2


 000000

 CFFFDE

 ECFFFB

 2A7942

 2A7942

 1E793A

 36794A

■ 127931

■ 427953

■ 067929

■ 4E795B

■ 007925

■ 5A7964

■ 66796C

■ 737975

■ 7F797D

■ 8B7985

■ 97798E

# Harmonies

## Analogous

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



5C7225



2A7942



007C67

# Triad

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



2A7942



006FB3



AC4D4B

# Complementary

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



2A7942



792A61

# 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.



AB496F



2A7942



6762AB

# Square

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



2A7942



0078A8



955392



9C5A2D

# Rectangle

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



2A7942



007C80



955392



AD4A56



# Sweetspot

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



2A7942



7E9E88



61792A



3C4F42



CFCFCF



4F4F4F



# Same Dimension

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



2A7942



239E48



2A7969



373D39



007D26



00FC4D



# Inverse Universe

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



792A61



9E2379



792A3A



3D373B



7D0057



FC00B0



# Previews

## White Background



This preview shows how the Hex color 2A7942 looks on a white background.

## Color Contrast Check

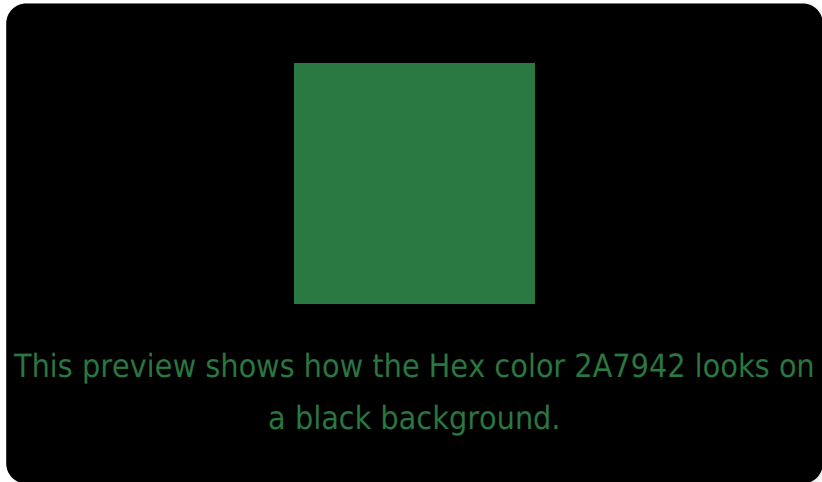
Large Text (above 18pt) WCAG AA ✓ Pass

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

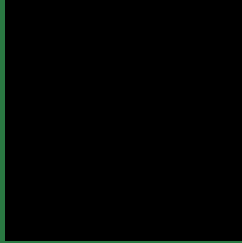
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A7942 Background



This preview shows how black text looks on a background with the Hex color 2A7942.



This preview shows how white text looks on a background with the Hex color 2A7942.

# 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**  
2A7942

**Protanopia**  
746A3C

**Deuteranopia**  
7F6547



# Trichromacy



**Original Color**  
2A7942

**Protanomaly**  
596F3E

**Deuteranomaly**  
606C45

**Tritanomaly**  
357567

# Monochromacy



**Original Color**  
2A7942

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
496652

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A7942 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 #2A7942 looks like.

```
.text, #text, p{  
    color:#2A7942  
}
```

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 #2A7942 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A7942
}
```

## Border

The CSS property to change the border of an element to Hex 2A7942 is called "border". The border property can be set on classes, ids or directly on the HTML element.

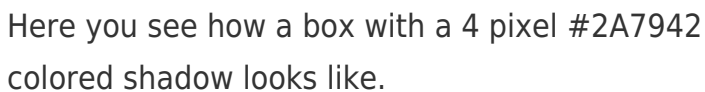
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A7942 }
```

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

```
.border{ border-color:#2A7942 }
```

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



Here you see how a box with a 4 pixel #2A7942 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A7942; -webkit-box-shadow:4px 4px  
4px 4px #2A7942; box-shadow:4px 4px 4px  
4px #2A7942 }
```

# Background

The CSS property to change the background color of an element to Hex 2A7942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A7942 }
```

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

```
.background{ background-color:#2A7942 }
```

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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