

# Converting Colors

Hex(2C7949)

Have a look what the booklet for  
Hex(2C7949) contains.

<b>Hex(2C7949)</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(2C7949)

# Conversions

## Conversions Part 1

Format	Color
Hex	2C7949
RGB	44, 121, 73
RGB Percent	17%, 47%, 29%
CMY	0.8275, 0.5255, 0.7137
CMYK	0.64, 0.00, 0.40, 0.53
HSL	143°, 47%, 32%
HSV	143°, 64%, 47%
XYZ	9.0787, 14.6913, 8.6605
YIQ	92.5050, -30.4840, -31.2520

# Conversions

## Conversions Part 2

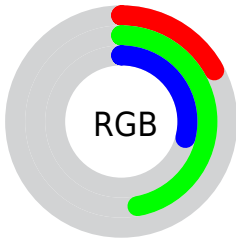
<b>Format</b>	<b>Color</b>
<b>RYB</b>	44, 100, 121
Decimal	2914633
CIELab	45.21, -35.27, 19.52
CIELCh	45, 40.312, 151.038
Yxy	14.6913, 0.2799, 0.4530
Android (android.graphics.Color)	4281104713 (0xFF2C7949)
YUV	92.5050, -9.6160, -42.5389
Hunter-Lab	38.3292, -24.7964, 13.4338

# Details

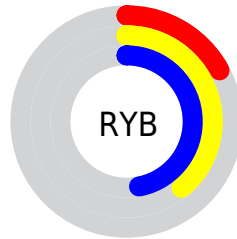
The Hex color **2C7949** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **792C5C**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **62AE7A**, and **00471C** is the 20% darker color. If you saturate the color by 10%, you get **207941**, and if you desaturate by 10%, it is **387951**.

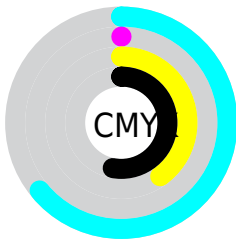
# Distribution



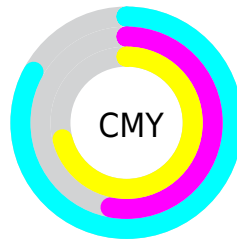
- Red (17%)
- Green (47%)
- Blue (29%)



- Red (17%)
- Yellow (39%)
- Blue (47%)



- Cyan (64%)
- Magenta (0%)
- Yellow (40%)
- Black (53%)



- Cyan (83%)
- Magenta (53%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C7949 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 2C7949 by changing the saturation by 10% instead.



 2C7949

 2C7949

FFFFFF

 096032

 62AE7A

 00471C

 7DCA94

 003005

 98E6AF

 001B00

 B4FFCA

 000000

 D0FFE6

 EDFFFF

 2C7949

 2C7949

 207941

 387951

■ 14793A

■ 447958

■ 087932

■ 507960

■ 00792E

■ 5C7967

■ 68796F

■ 757976

■ 81797E

■ 8D7985

■ 99798D

# Harmonies

## Analogous

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



5B732E



2C7949



007C6B

# Triad

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



2C7949



276EAE



A7524A

# Complementary

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



2C7949



792C5C

# 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.



A84D6B



2C7949



6E62A5

# Square

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



2C7949



0077A5



95548C



975D30

# Rectangle

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



2C7949



007C82



95548C



A94F55



# Sweetspot

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



2C7949



809E8B



5D792C



3D4F44



CFCFCF



4F4F4F



# Same Dimension

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



2C7949



269E53



2C796F



373D39



007D2F



00FC5F



# Inverse Universe

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



792C5C



9E2671



792C36



3D373B



7D004E



FC009D



# Previews

## White Background



This preview shows how the Hex color 2C7949 looks on a white background.

## Color Contrast Check

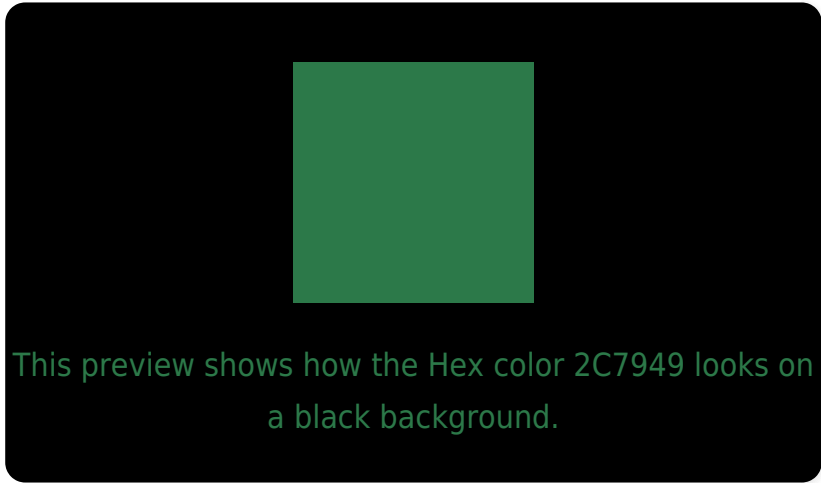
Large Text (above 18pt) WCAG AA ✓ Pass

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

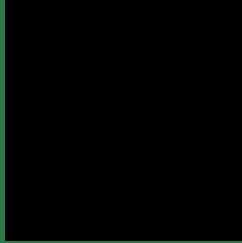
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2C7949 Background



This preview shows how black text looks on a background with the Hex color 2C7949.



This preview shows how white text looks on a background with the Hex color 2C7949.

# 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**  
2C7949

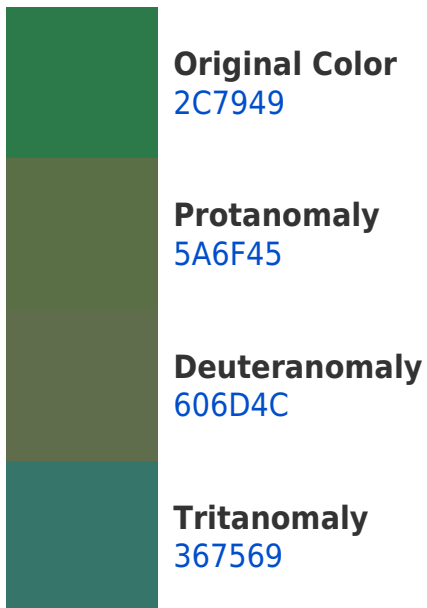
**Protanopia**  
746A43

**Deuteranopia**  
7E664D

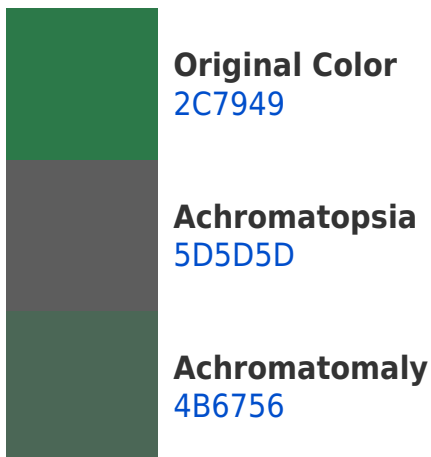


**Tritanopia**  
3C737C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C7949 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 #2C7949 looks like.

```
.text, #text, p{  
    color:#2C7949  
}
```

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 #2C7949 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C7949
}
```

## Border

The CSS property to change the border of an element to Hex 2C7949 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
#2C7949 }
```

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

```
.border{ border-color:#2C7949 }
```

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

Here you see how a box with a 4 pixel #2C7949 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C7949; -webkit-box-shadow:4px 4px  
4px 4px #2C7949; box-shadow:4px 4px 4px  
4px #2C7949 }
```

# Background

The CSS property to change the background color of an element to Hex 2C7949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C7949 }
```

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

```
.background{ background-color:#2C7949 }
```

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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