

# Converting Colors

Hex(4C7933)

Have a look what the booklet for  
Hex(4C7933) contains.

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# Color

Hex(4C7933)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4C7933
RGB	76, 121, 51
RGB Percent	30%, 47%, 20%
CMY	0.7020, 0.5255, 0.8000
CMYK	0.37, 0.00, 0.58, 0.53
HSL	99°, 41%, 34%
HSV	99°, 58%, 47%
XYZ	10.4154, 15.4503, 5.5652
YIQ	99.5650, -4.3500, -31.3100

# Conversions

## Conversions Part 2

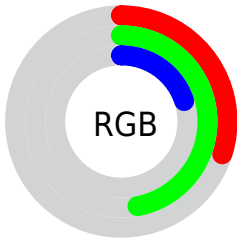
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 121, 96
Decimal	5011763
CIELab	46.24, -29.03, 33.10
CIELCh	46, 44.023, 131.255
Yxy	15.4503, 0.3314, 0.4916
Android (android.graphics.Color)	4283201843 (0xFF4C7933)
YUV	99.5650, -23.9425, -20.6665
Hunter-Lab	39.3068, -21.4885, 19.1203

# Details

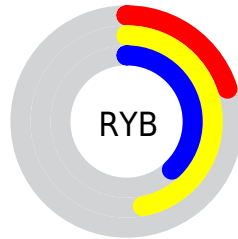
The Hex color **4C7933** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **603379**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **80AE64**, and **194802** is the 20% darker color. If you saturate the color by 10%, you get **447927**, and if you desaturate by 10%, it is **54793F**.

# Distribution



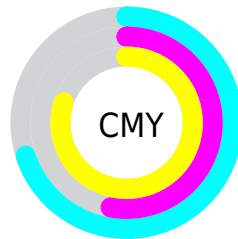
- Red (30%)
- Green (47%)
- Blue (20%)



- Red (20%)
- Yellow (47%)
- Blue (38%)



- Cyan (37%)
- Magenta (0%)
- Yellow (58%)
- Black (53%)



- Cyan (70%)
- Magenta (53%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4C7933 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 4C7933 by changing the saturation by 10% instead.



 4C7933

 4C7933

FFFFFF

 33601B

 80AE64

 194802

 9AC97D

 003100

 B6E598

 001E00

 D2FFB3

 000000

 EFFFCE

 FFFFEB

 4C7933

 4C7933

 447927

 54793F

 3C791B

 5C794B

 35790F

 637957

 2D7903

 6B7963

 2B7900

 73796F

 7B797C

 827988

 8A7994

 9279A0

# Harmonies

## Analogous

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



74701F



4C7933



007E55

# Triad

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



4C7933



0078B3



B14C61

# Complementary

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



4C7933



603379

# 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.



A55086



4C7933



426DB6

# Square

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



4C7933



007E9D



825EA5



AA553F

# Rectangle

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



4C7933



007F6E



825EA5



B04C6E



# Sweetspot

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



4C7933



8D9E83



795F33



454F3F



CFCFCF



4F4F4F



# Same Dimension

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



4C7933



589E31



33793C



393D37



2D7D00



5AFC00



# Inverse Universe

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



603379



77319E



793370



3B373D



50007D



A200FC



# Previews

## White Background



This preview shows how the Hex color 4C7933 looks on a white background.

## Color Contrast Check

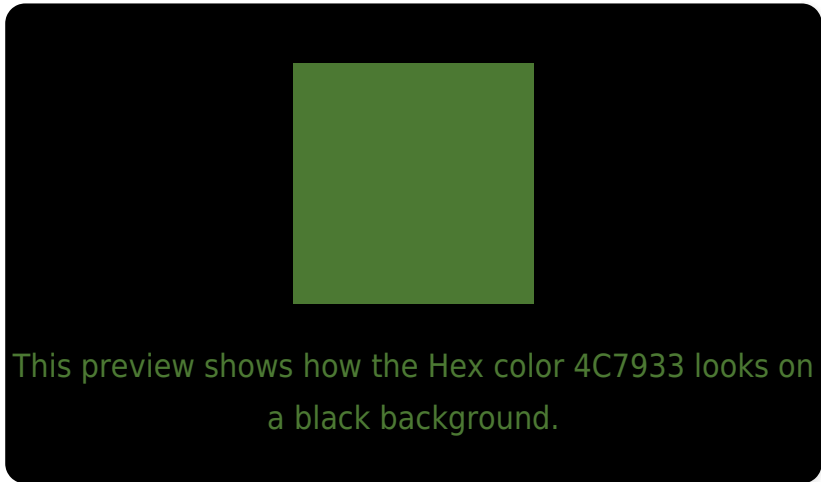
Large Text (above 18pt) WCAG AA ✓ Pass

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

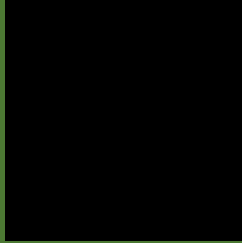
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4C7933 Background



This preview shows how black text looks on a background with the Hex color 4C7933.



This preview shows how white text looks on a background with the Hex color 4C7933.

# 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**  
4C7933

**Protanopia**  
796D2F

**Deuteranopia**  
866838



**Tritanopia**  
57727B

# Trichromacy



**Original Color**  
4C7933

**Protanomaly**  
697130

**Deuteranomaly**  
716E36

**Tritanomaly**  
537561

# Monochromacy



**Original Color**  
4C7933

**Achromatopsia**  
646464

**Achromatomaly**  
5B6C52

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4C7933 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 #4C7933 looks like.

```
.text, #text, p{  
    color:#4C7933  
}
```

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 #4C7933 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4C7933  
}
```

## Border

The CSS property to change the border of an element to Hex 4C7933 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  
#4C7933 }
```

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

```
.border{ border-color:#4C7933 }
```

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

Here you see how a box with a 4 pixel #4C7933 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4C7933; -webkit-box-shadow:4px 4px  
4px 4px #4C7933; box-shadow:4px 4px 4px  
4px #4C7933 }
```

# Background

The CSS property to change the background color of an element to Hex 4C7933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4C7933 }
```

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

```
.background{ background-color:#4C7933 }
```

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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