

# Converting Colors

Hex(78A933)

Have a look what the booklet for  
Hex(78A933) contains.

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**Color**

**Hex(78A933)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78A933
RGB	120, 169, 51
RGB Percent	47%, 66%, 20%
CMY	0.5294, 0.3373, 0.8000
CMYK	0.29, 0.00, 0.70, 0.34
HSL	85°, 54%, 43%
HSV	85°, 70%, 66%
XYZ	22.5312, 32.6080, 8.2384
YIQ	140.8970, 8.6740, -47.0860

# Conversions

## Conversions Part 2

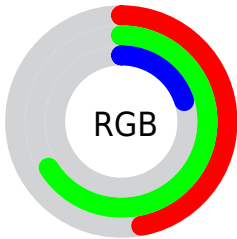
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 169, 100
Decimal	7907635
CIELab	63.84, -34.70, 53.07
CIElCh	64, 63.406, 123.181
Yxy	32.6080, 0.3555, 0.5145
Android (android.graphics.Color)	4286097715 (0xFF78A933)
YUV	140.8970, -44.3192, -18.3267
Hunter-Lab	57.1034, -29.5005, 31.4185

# Details

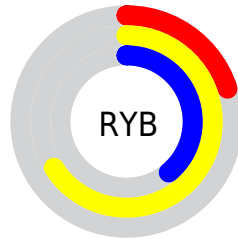
The Hex color **78A933** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6433A9**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **B0E168**, and **427500** is the 20% darker color. If you saturate the color by 10%, you get **71A922**, and if you desaturate by 10%, it is **7FA944**.

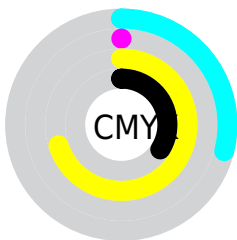
# Distribution



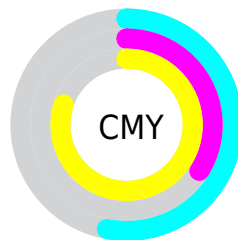
- Red (47%)
- Green (66%)
- Blue (20%)



- Red (20%)
- Yellow (66%)
- Blue (39%)



- Cyan (29%)
- Magenta (0%)
- Yellow (70%)
- Black (34%)



- Cyan (53%)
- Magenta (34%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78A933 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 78A933 by changing the saturation by 10% instead.



 78A933

 78A933

FFFFFF

 5D8E15

 B0E168

 427500

 CCFD83

 275C00

 E9FF9E

 044400

 FFFFBA

 002D00

 FFFFD7

 001600

 FFFFF4

 000000

 78A933

 78A933

 71A922

 7FA944

 6AA911

 86A955

 63A900

 8DA966

 94A977

 9BA987

 A2A998

 A9A9A9

 B0A9BA

 B7A9CB

# Harmonies

## Analogous

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



B29A18



78A933



00B265

# Triad

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



78A933



00AEFF



FF6497

# Complementary

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



78A933



6433A9

# 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.



E470CF



78A933



009FFF

# Square

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



78A933



00B4D7



A389FA



FB6E60

# Rectangle

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



78A933



00B58B



A389FA



FA66AA



# Sweetspot

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



78A933



C8DBAD



A96233



626E52



EDEDED



6E6E6E



# Same Dimension

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



78A933



8FDB23



3FA933



51544C



569400



0C1400



# Inverse Universe

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



6433A9



7023DB



9D33A9



4F4C54



3D0094



080014



# Previews

## White Background



This preview shows how the Hex color 78A933 looks on a white background.

## Color Contrast Check

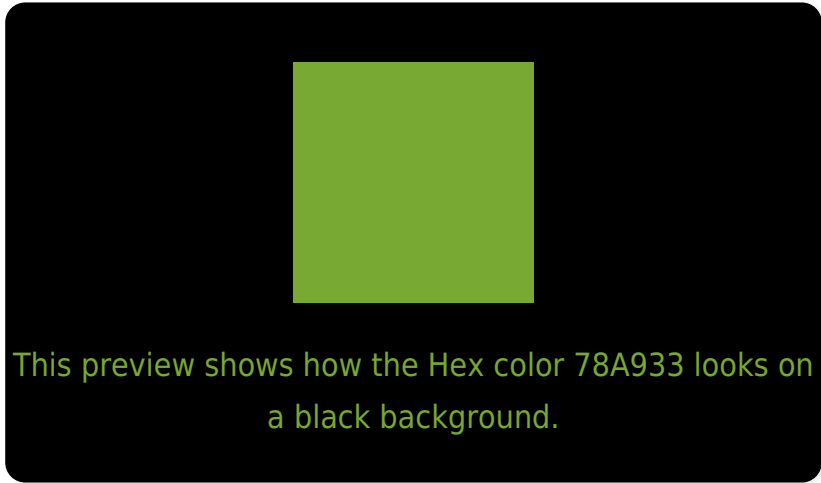
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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 ✓ Pass

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



## Hex 78A933 Background



This preview shows how black text looks on a background with the Hex color 78A933.

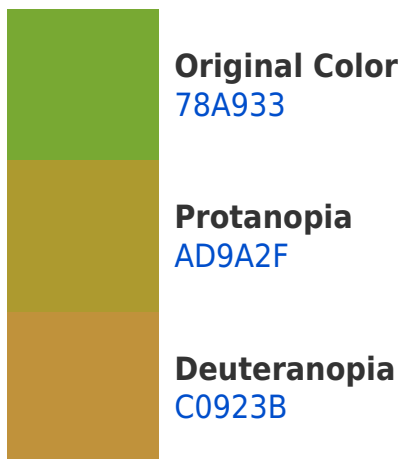


This preview shows how white text looks on a background with the Hex color 78A933.

# Color Blindness Simulation

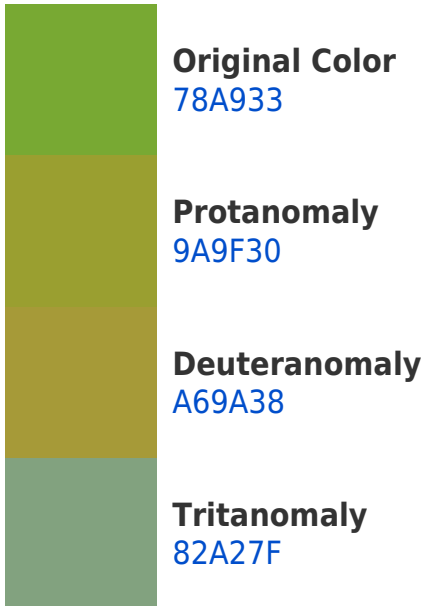
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

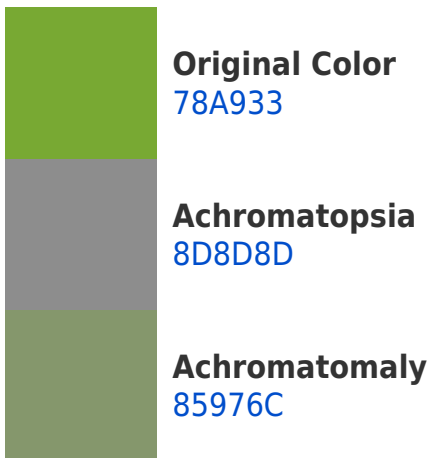




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78A933 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 #78A933 looks like.

```
.text, #text, p{  
    color:#78A933  
}
```

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 #78A933 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78A933
}
```

## Border

The CSS property to change the border of an element to Hex 78A933 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
#78A933 }
```

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

```
.border{ border-color:#78A933 }
```

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

Here you see how a box with a 4 pixel #78A933 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78A933; -webkit-box-shadow:4px 4px  
4px 4px #78A933; box-shadow:4px 4px 4px  
4px #78A933 }
```

# Background

The CSS property to change the background color of an element to Hex 78A933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78A933 }
```

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

```
.background{ background-color:#78A933 }
```

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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