

# Converting Colors

Hex(78A719)

Have a look what the booklet for  
Hex(78A719) contains.

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**Color**

**Hex(78A719)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 78A719                      |
| RGB         | 120, 167, 25                |
| RGB Percent | 47%, 65%, 10%               |
| CMY         | 0.5294, 0.3451, 0.9020      |
| CMYK        | 0.28, 0.00, 0.85, 0.35      |
| HSL         | 80°, 74%, 38%               |
| HSV         | 80°, 85%, 65%               |
| XYZ         | 21.7399, 31.7007, 5.8927    |
| YIQ         | 136.7590, 17.5700, -54.1260 |

# Conversions

## Conversions Part 2

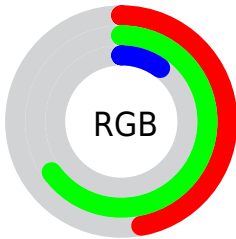
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 25, 167, 72                     |
| Decimal                             | 7907097                         |
| CIELab                              | 63.09, -35.15, 60.72            |
| CIELCh                              | 63, 70.157, 120.063             |
| Yxy                                 | 31.7007, 0.3664,<br>0.5343      |
| Android<br>(android.graphics.Color) | 4286097177<br>(0xFF78A719)      |
| YUV                                 | 136.7590, -55.0972,<br>-14.6976 |
| Hunter-Lab                          | 56.3034, -29.6083,<br>33.2070   |

# Details

The Hex color **78A719** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4819A7**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **B0DE55**, and **417300** is the 20% darker color. If you saturate the color by 10%, you get **72A708**, and if you desaturate by 10%, it is **7EA72A**.

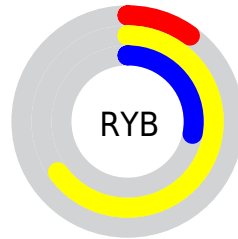
# Distribution



Red (47%)

Green (65%)

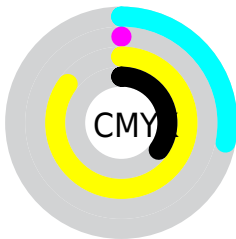
Blue (10%)



Red (10%)

Yellow (65%)

Blue (28%)

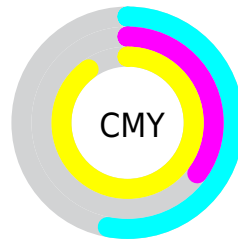


Cyan (28%)

Magenta (0%)

Yellow (85%)

Black (35%)



Cyan (53%)

Magenta (35%)

Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78A719 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 78A719 by changing the saturation by 10% instead.





78A719



78A719

FFFFFF



5C8C00



B0DE55



417300



CDFB70



255A00



EAFF8C



004200



FFFFA7



002B00



FFFFC4



001300



FFFFE1



000000

FFFFFFE



78A719



78A719

 72A708

 7EA72A

 70A700

 83A73A

 89A74B

 8EA75C

 94A76C

 99A77D

 9FA78E

 A4A79F

 AAA7AF

# Harmonies

## Analogous

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



B69600



78A719



00B157

# Triad

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



78A719



00AFFF



FF589B

# Complementary

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



78A719



4819A7

# 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.



E36AD8



78A719



00A0FF

# Square

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



78A719



00B5D6



9688FF



FF625E

# Rectangle

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



78A719



00B481



9688FF



FE5BB0



# Sweetspot

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



78A719



C6D9A0



A74619



626E4C



EDEDED



6E6E6E



# Same Dimension

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



78A719



91D900



33A719



51544C



639400



0E1400



# Inverse Universe

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



4819A7



4800D9



8D19A7



4F4C54



310094



070014



# Previews

## White Background



This preview shows how the Hex color 78A719 looks on a white background.

## Color Contrast Check

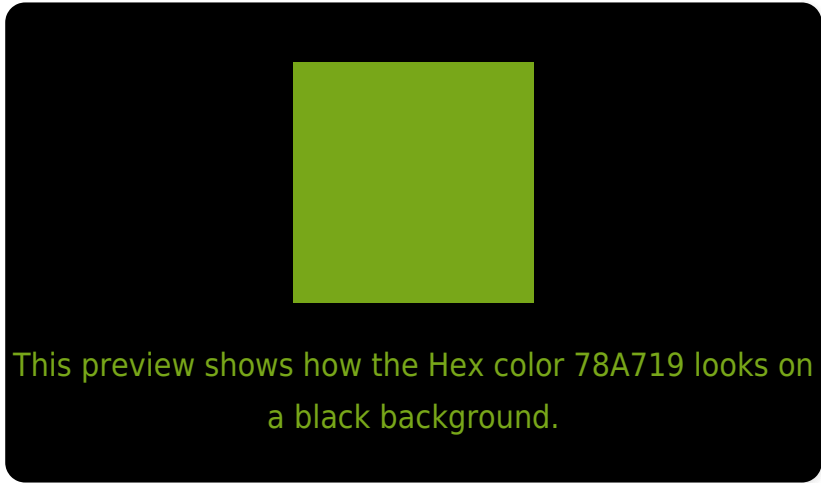
Large Text (above 18pt) WCAG AA × Fail

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 78A719 Background



This preview shows how black text looks on a background with the Hex color 78A719.

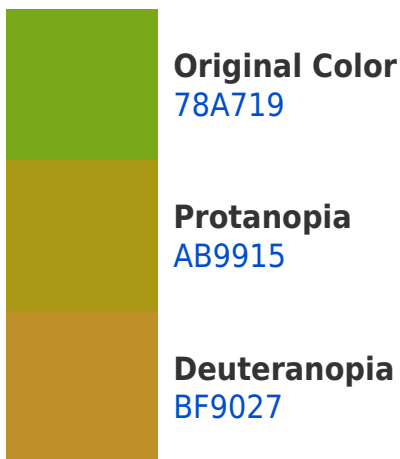


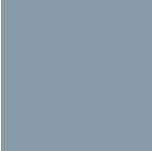
This preview shows how white text looks on a background with the Hex color 78A719.

# 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





**Tritanopia**  
879BA8

# Trichromacy



**Original Color**  
78A719

**Protanomaly**  
989E16

**Deuteranomaly**  
A59822

**Tritanomaly**  
829F74

# Monochromacy



**Original Color**  
78A719

**Achromatopsia**  
898989

**Achromatomaly**  
839460

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78A719 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 #78A719 looks like.

```
.text, #text, p{  
    color:#78A719  
}
```

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 #78A719 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78A719
}
```

## Border

The CSS property to change the border of an element to Hex 78A719 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
#78A719 }
```

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

```
.border{ border-color:#78A719 }
```

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

Here you see how a box with a 4 pixel #78A719 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78A719; -webkit-box-shadow:4px 4px  
4px 4px #78A719; box-shadow:4px 4px 4px  
4px #78A719 }
```

# Background

The CSS property to change the background color of an element to Hex 78A719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78A719 }
```

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

```
.background{ background-color:#78A719 }
```

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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