

# Converting Colors

Hex(78A811)

Have a look what the booklet for  
Hex(78A811) contains.

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**Color**

**Hex(78A811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78A811
RGB	120, 168, 17
RGB Percent	47%, 66%, 7%
CMY	0.5294, 0.3412, 0.9333
CMYK	0.29, 0.00, 0.90, 0.34
HSL	79°, 82%, 36%
HSV	79°, 90%, 66%
XYZ	21.8495, 32.0388, 5.5628
YIQ	136.4340, 19.8630, -57.1370

# Conversions

## Conversions Part 2

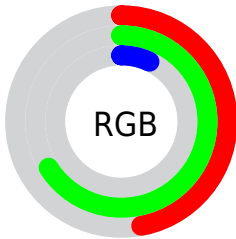
Format	Color
<a href="#">RYB</a>	<a href="#">17, 168, 65</a>
Decimal	<a href="#">7907345</a>
CIELab	<a href="#">63.37, -35.84, 62.64</a>
CIELCh	<a href="#">63, 72.169, 119.776</a>
Yxy	<a href="#">32.0388, 0.3675, 0.5389</a>
Android (android.graphics.Color)	<a href="#">4286097425 (0xFF78A811)</a>
YUV	<a href="#">136.4340, -58.8810, -14.4126</a>
Hunter-Lab	<a href="#">56.6028, -30.1513, 33.7951</a>

# Details

The Hex color **78A811** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4111A8**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **B0DF51**, and **417400** is the 20% darker color. If you saturate the color by 10%, you get **73A800**, and if you desaturate by 10%, it is **7DA822**.

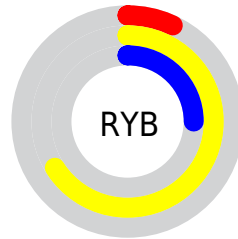
# Distribution



Red (47%)

Green (66%)

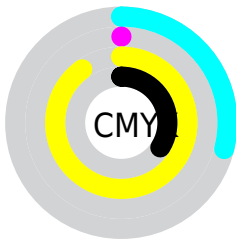
Blue (7%)



Red (7%)

Yellow (66%)

Blue (25%)

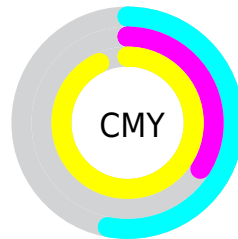


Cyan (29%)

Magenta (0%)

Yellow (90%)

Black (34%)



Cyan (53%)

Magenta (34%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78A811 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 78A811 by changing the saturation by 10% instead.





78A811



78A811

FFFFFF



5C8D00



B0DF51



417400



CDFC6C



245B00



EBFF88



004300



FFFFA4



002C00



FFFFC0



001400



FFFFDD



000000



FFFFFB



78A811



78A811

■ 73A800

■ 7DA822

■ 83A833

■ 88A843

■ 8DA854

■ 93A865

■ 98A876

■ 9DA887

■ A3A897

■ A8A8A8

# Harmonies

## Analogous

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



B89600



78A811



00B255

# Triad

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



78A811



00B0FF



FF559D

# Complementary

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



78A811



4111A8

# 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.



E56ADB



78A811



00A1FF

# Square

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



78A811



00B6D8



9588FF



FF605E

# Rectangle

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



78A811



00B680



9588FF



FF59B2



# Sweetspot

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



78A811



C8DBA0



A84111



626E4B



EDEDED



6E6E6E



# Same Dimension

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



78A811



96DB00



2DA811



51544C



659400



0E1400



# Inverse Universe

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



4111A8



4600DB



8C11A8



4E4C54



2F0094



060014



# Previews

## White Background



This preview shows how the Hex color 78A811 looks on a white background.

## Color Contrast Check

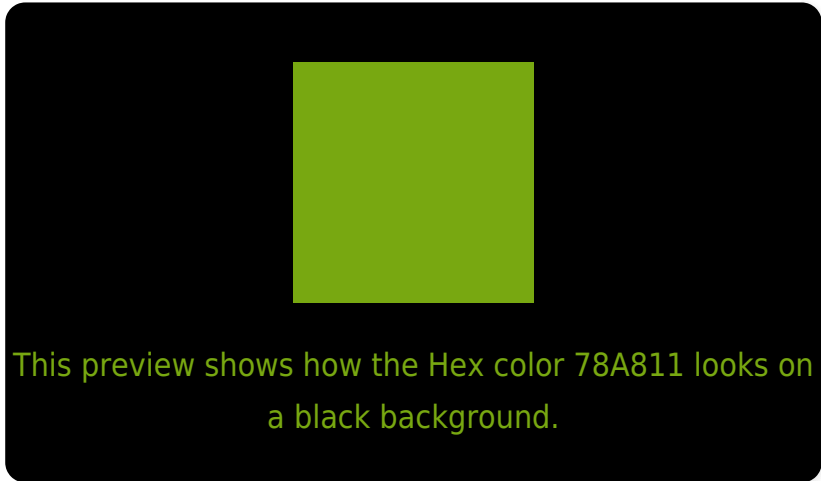
Large Text (above 18pt) WCAG AA × Fail

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 78A811 Background



This preview shows how black text looks on a background with the Hex color 78A811.



This preview shows how white text looks on a background with the Hex color 78A811.

# 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**  
78A811

**Protanopia**  
AC990A

**Deuteranopia**  
C09123



**Tritanopia**  
889CA9

# Trichromacy



**Original Color**  
78A811

**Protanomaly**  
999E0D

**Deuteranomaly**  
A6991C

**Tritanomaly**  
82A072

# Monochromacy



**Original Color**  
78A811

**Achromatopsia**  
888888

**Achromatomaly**  
82945D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78A811 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 #78A811 looks like.

```
.text, #text, p{  
    color:#78A811  
}
```

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 #78A811 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78A811
}
```

## Border

The CSS property to change the border of an element to Hex 78A811 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
#78A811 }
```

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

```
.border{ border-color:#78A811 }
```

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

Here you see how a box with a 4 pixel #78A811 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78A811; -webkit-box-shadow:4px 4px  
4px 4px #78A811; box-shadow:4px 4px 4px  
4px #78A811 }
```

# Background

The CSS property to change the background color of an element to Hex 78A811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78A811 }
```

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

```
.background{ background-color:#78A811 }
```

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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