

# Converting Colors

Hex(78A52A)

Have a look what the booklet for  
Hex(78A52A) contains.

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**Color**

**Hex(78A52A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78A52A
RGB	120, 165, 42
RGB Percent	47%, 65%, 16%
CMY	0.5294, 0.3529, 0.8353
CMYK	0.27, 0.00, 0.75, 0.35
HSL	82°, 59%, 41%
HSV	82°, 75%, 65%
XYZ	21.6188, 31.0705, 7.0483
YIQ	137.5230, 12.6630, -47.7930

# Conversions

## Conversions Part 2

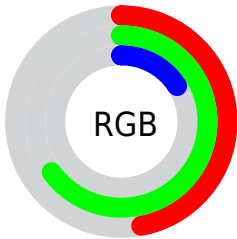
Format	Color
<a href="#">RYB</a>	<a href="#">42, 165, 87</a>
Decimal	<a href="#">7906602</a>
CIELab	<a href="#">62.57, -33.44, 55.16</a>
CIELCh	<a href="#">63, 64.502, 121.227</a>
Yxy	<a href="#">31.0705, 0.3619, 0.5201</a>
Android (android.graphics.Color)	<a href="#">4286096682 (0xFF78A52A)</a>
YUV	<a href="#">137.5230, -47.0928, -15.3677</a>
Hunter-Lab	<a href="#">55.7409, -28.3165, 31.5216</a>

# Details

The Hex color **78A52A** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **572AA5**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **B0DC60**, and **427100** is the 20% darker color. If you saturate the color by 10%, you get **72A519**, and if you desaturate by 10%, it is **7EA53A**.

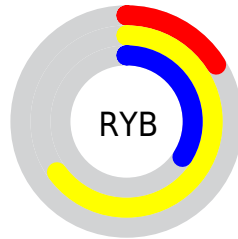
# Distribution



Red (47%)

Green (65%)

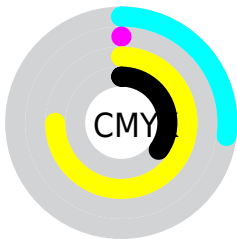
Blue (16%)



Red (16%)

Yellow (65%)

Blue (34%)

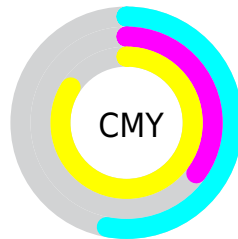


Cyan (27%)

Magenta (0%)

Yellow (75%)

Black (35%)



Cyan (53%)

Magenta (35%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78A52A 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 78A52A by changing the saturation by 10% instead.



 78A52A

 78A52A

FFFFFF

 5D8A05

 B0DC60

 427100

 CCF97B

 285800

 E9FF96

 044000

 FFFFB2

 002A00

 FFFFCE

 001000

 FFFFEB

 000000

 78A52A

 78A52A

 72A519

 7EA53A

 6CA509

 84A54B

 69A500

 8AA55B

 90A56C

 96A57C

 9CA58D

 A2A59D

 A8A5AE

 AEA5BE

# Harmonies

## Analogous

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



B2950E



78A52A



00AE5D

# Triad

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



78A52A



00ABFB



FC5F97

# Complementary

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



78A52A



572AA5

# 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.



DE6DCF



78A52A



009DFF

# Square

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



78A52A



00B1D1



9A87FA



FA685F

# Rectangle

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



78A52A



00B184



9A87FA



F661AB



# Sweetspot

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



78A52A



C5D6A7



A5552A



616B4F



EBEBEB



6B6B6B



# Same Dimension

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



78A52A



90D618



3CA52A



4F5249



5C9100



0B1200



# Inverse Universe

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



572AA5



5D18D6



932AA5



4C4952



350091



070012



# Previews

## White Background



This preview shows how the Hex color 78A52A looks on a white background.

## Color Contrast Check

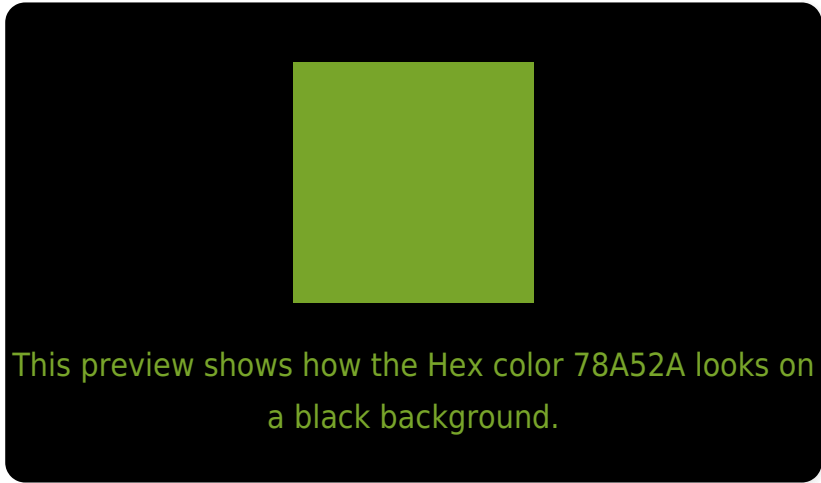
Large Text (above 18pt) WCAG AA × Fail

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 78A52A Background



This preview shows how black text looks on a background with the Hex color 78A52A.



This preview shows how white text looks on a background with the Hex color 78A52A.

# 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**  
78A52A

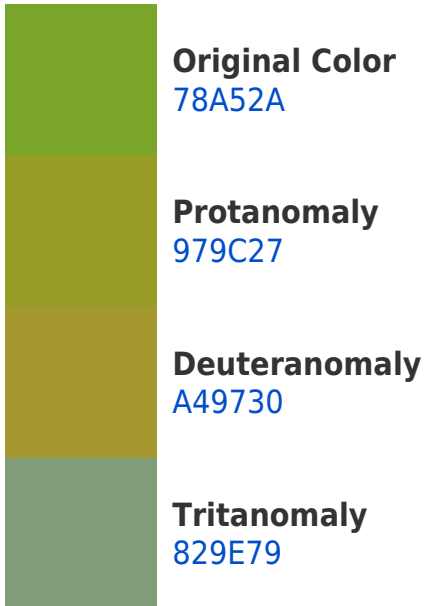
**Protanopia**  
A99726

**Deuteranopia**  
BD8F33

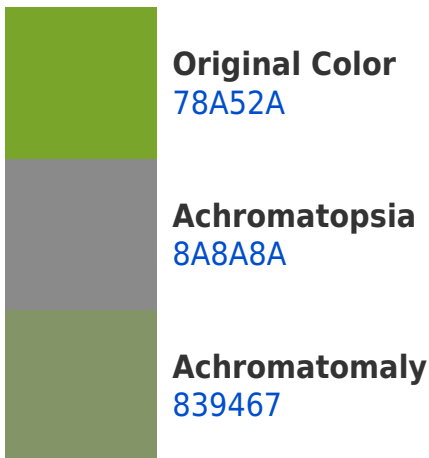


**Tritanopia**  
879AA6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78A52A 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 #78A52A looks like.

```
.text, #text, p{  
    color:#78A52A  
}
```

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 #78A52A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78A52A
}
```

## Border

The CSS property to change the border of an element to Hex 78A52A 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
#78A52A }
```

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

```
.border{ border-color:#78A52A }
```

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

Here you see how a box with a 4 pixel #78A52A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78A52A; -webkit-box-shadow:4px 4px  
4px 4px #78A52A; box-shadow:4px 4px 4px  
4px #78A52A }
```

# Background

The CSS property to change the background color of an element to Hex 78A52A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78A52A }
```

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

```
.background{ background-color:#78A52A }
```

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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