

Converting Colors

Hex(78AC28)

Have a look what the booklet for
Hex(78AC28) contains.

Hex(78AC28)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(78AC28)

Conversions

Conversions Part 1

Format	Color
Hex	78AC28
RGB	120, 172, 40
RGB Percent	47%, 67%, 16%
CMY	0.5294, 0.3255, 0.8431
CMYK	0.30, 0.00, 0.77, 0.33
HSL	84°, 62%, 42%
HSV	84°, 77%, 67%
XYZ	22.8813, 33.6513, 7.2969
YIQ	141.4040, 11.3800, -52.0760

Conversions

Conversions Part 2

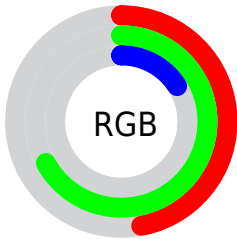
Format	Color
RYB	40, 172, 92
Decimal	7908392
CIELab	64.68, -36.74, 57.87
CIELCh	65, 68.551, 122.407
Yxy	33.6513, 0.3585, 0.5272
Android (android.graphics.Color)	4286098472 (0xFF78AC28)
YUV	141.4040, -49.9922, -18.7713
Hunter-Lab	58.0098, -31.1099, 33.1489

Details

The Hex color **78AC28** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5C28AC**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **B0E460**, and **417700** is the 20% darker color. If you saturate the color by 10%, you get **71AC17**, and if you desaturate by 10%, it is **7FAC39**.

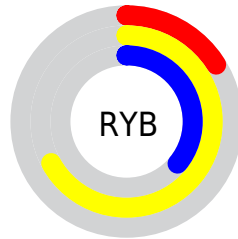
Distribution



Red (47%)

Green (67%)

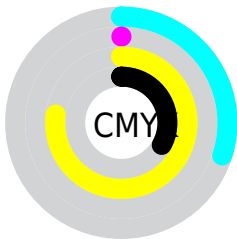
Blue (16%)



Red (16%)

Yellow (67%)

Blue (36%)

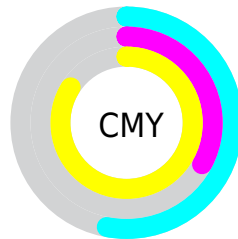


Cyan (30%)

Magenta (0%)

Yellow (77%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 78AC28 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 78AC28 by changing the saturation by 10% instead.



78AC28



78AC28

FFFFFF



5D9100



B0E460



417700



CDFF7B



265E00



EAFF96



004600



FFFFB2



002F00



FFFFCF



001900



FFFEB



000000



78AC28



78AC28



71AC17



7FAC39

 6AAC06

 86AC4A

 68AC00

 8CAC5C

 93AC6D

 9AAC7E

 A1AC8F

 A7ACA0

 AEACB2

 B5ACC3

Harmonies

Analogous

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



B69C00



78AC28



00B561

Triad

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



78AC28



00B2FF



FF5F9B

Complementary

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



78AC28



5C28AC

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.



EA6ED7



78AC28



00A3FF

Square

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



78AC28



00B9DD



A38AFF



FF6A5F

Rectangle

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



78AC28



00B88B



A38AFF



FF61AF

Sweetspot

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



78AC28



CCE0AD



AC5B28



647051



F0F0F0



707070

Same Dimension

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



78AC28



8FE012



37AC28



53574E



5B9600



0E1700

Inverse Universe

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



5C28AC



6312E0



9D28AC



514E57



3B0096



090017

Previews

White Background



This preview shows how the Hex color 78AC28 looks on a white background.

Color Contrast Check

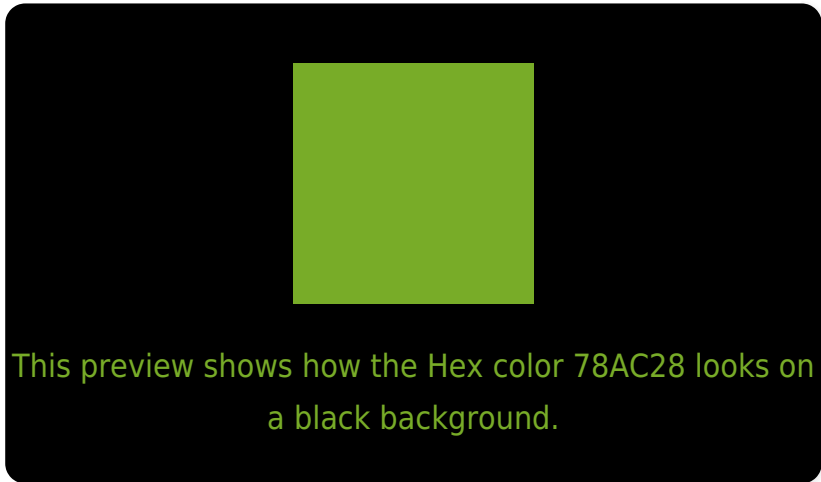
Large Text (above 18pt) WCAG AA × Fail

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 78AC28 Background



This preview shows how black text looks on a background with the Hex color 78AC28.

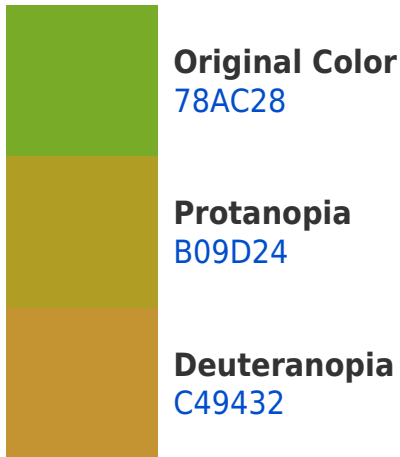


This preview shows how white text looks on a background with the Hex color 78AC28.

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](#).

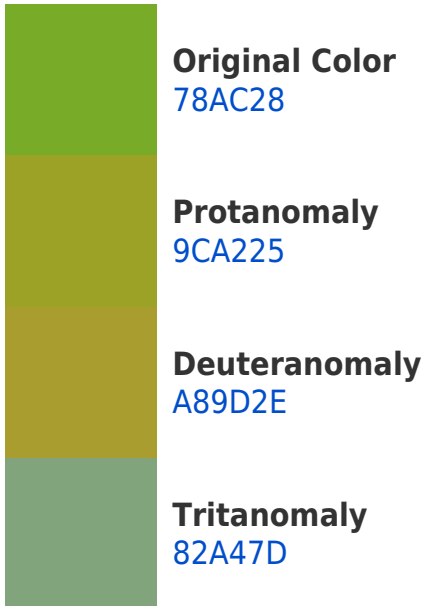
Dichromacy



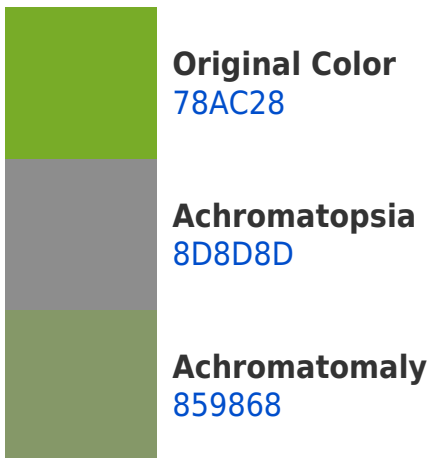


Tritanopia
88A0AD

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 78AC28 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 #78AC28 looks like.

```
.text, #text, p{  
    color:#78AC28  
}
```

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 #78AC28 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78AC28
}
```

Border

The CSS property to change the border of an element to Hex 78AC28 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
#78AC28 }
```

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

```
.border{ border-color:#78AC28 }
```

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

Here you see how a box with a 4 pixel #78AC28 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78AC28; -webkit-box-shadow:4px 4px  
4px 4px #78AC28; box-shadow:4px 4px 4px  
4px #78AC28 }
```

Background

The CSS property to change the background color of an element to Hex 78AC28 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78AC28 }
```

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

```
.background{ background-color:#78AC28 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor