

Converting Colors

Hex(7AAE44)

Have a look what the booklet for
Hex(7AAE44) contains.

Hex(7AAE44)	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(7AAE44)

Conversions

Conversions Part 1

Format	Color
Hex	7AAE44
RGB	122, 174, 68
RGB Percent	48%, 68%, 27%
CMY	0.5216, 0.3176, 0.7333
CMYK	0.30, 0.00, 0.61, 0.32
HSL	89°, 44%, 47%
HSV	89°, 61%, 68%
XYZ	24.2055, 34.8270, 10.9154
YIQ	146.3680, 3.0340, -43.9900

Conversions

Conversions Part 2

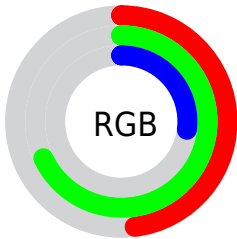
Format	Color
RYB	68, 174, 120
Decimal	8040004
CIELab	65.61, -34.85, 47.80
CIELCh	66, 59.162, 126.096
Yxy	34.8270, 0.3461, 0.4979
Android (android.graphics.Color)	4286230084 (0xFF7AAE44)
YUV	146.3680, -38.6354, -21.3707
Hunter-Lab	59.0144, -30.0613, 30.3438

Details

The Hex color **7AAE44** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7844AE**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **B1E678**, and **45790B** is the 20% darker color. If you saturate the color by 10%, you get **71AE33**, and if you desaturate by 10%, it is **83AE55**.

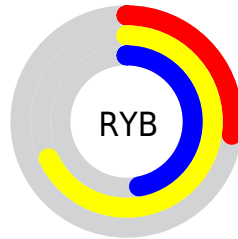
Distribution



Red (48%)

Green (68%)

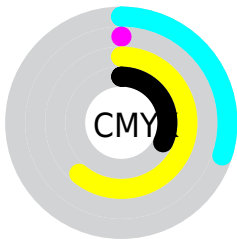
Blue (27%)



Red (27%)

Yellow (68%)

Blue (47%)

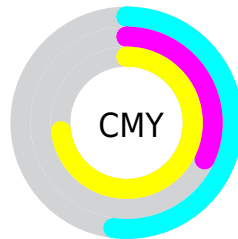


Cyan (30%)

Magenta (0%)

Yellow (61%)

Black (32%)



Cyan (52%)

Magenta (32%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 7AAE44 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 7AAE44 by changing the saturation by 10% instead.



7AAE44



7AAE44

FFFFFF



5F932A



B1E678



45790B



CEFF93



296000



EBFFAE



0B4800



FFFFCA



003100



FFFFE7



001C00



000000



7AAE44



7AAE44



71AE33



83AE55

 69AE21

 8BAE67

 60AE10

 94AE78

 59AE00

 9CAE8A

 A5AE9B

 ADAEAC

 B6AEBE

 BEAECF

 C7AEE1

Harmonies

Analogous

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



B2A02C



7AAE44



14B672

Triad

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



7AAE44



00B0FF



FF6E97

Complementary

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



7AAE44



7844AE

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.



E877CB



7AAE44



43A2FF

Square

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



7AAE44



00B8DD



B08DF5



FA7964

Rectangle

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



7AAE44



00B996



B08DF5



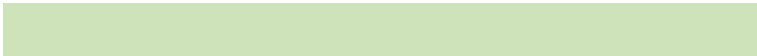
FB6FA9

Sweetspot

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



7AAE44



CFE3BA



AE7744



66735A



F2F2F2



737373

Same Dimension

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



7AAE44



92E33D



46AE44



52574E



4D9600



0C1700

Inverse Universe

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



7844AE



8F3DE3



AC44AE



524E57



4A0096



0B0017

Previews

White Background



This preview shows how the Hex color 7AAE44 looks on a white background.

Color Contrast Check

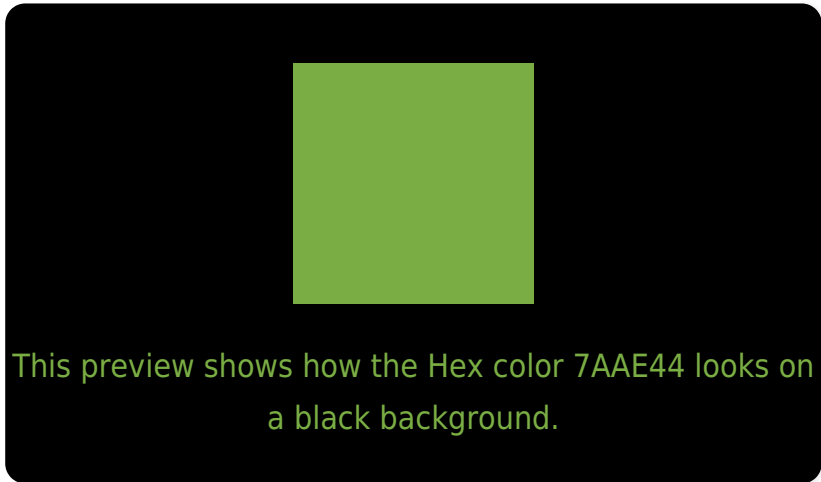
Large Text (above 18pt) WCAG AA × Fail

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 7AAE44 Background



This preview shows how black text looks on a background with the Hex color 7AAE44.

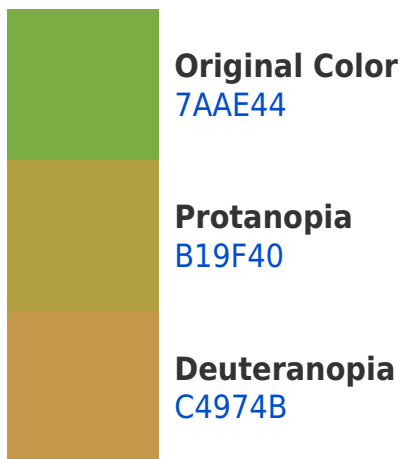


This preview shows how white text looks on a background with the Hex color 7AAE44.

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
89A3B0

Trichromacy



Original Color
7AAE44

Protanomaly
9DA441

Deuteranomaly
A99F48

Tritanomaly
84A789

Monochromacy



Original Color
7AAE44

Achromatopsia
929292

Achromatomaly
899C76

CSS Examples

Text

The CSS property to change the color of the text to Hex 7AAE44 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 #7AAE44 looks like.

```
.text, #text, p{  
    color:#7AAE44  
}
```

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 #7AAE44 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7AAE44
}
```

Border

The CSS property to change the border of an element to Hex 7AAE44 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
#7AAE44 }
```

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

```
.border{ border-color:#7AAE44 }
```

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

Here you see how a box with a 4 pixel #7AAE44 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7AAE44; -webkit-box-shadow:4px 4px  
4px 4px #7AAE44; box-shadow:4px 4px 4px  
4px #7AAE44 }
```

Background

The CSS property to change the background color of an element to Hex 7AAE44 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7AAE44 }
```

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

```
.background{ background-color:#7AAE44 }
```

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