

# Converting Colors

Hex(78B600)

Have a look what the booklet for  
Hex(78B600) contains.

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**Color**

**Hex(78B600)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 78B600                      |
| RGB         | 120, 182, 0                 |
| RGB Percent | 47%, 71%, 0%                |
| CMY         | 0.5294, 0.2863, 1.0000      |
| CMYK        | 0.34, 0.00, 1.00, 0.29      |
| HSL         | 80°, 100%, 36%              |
| HSV         | 80°, 100%, 71%              |
| XYZ         | 24.4737, 37.4490, 5.9385    |
| YIQ         | 142.7140, 21.4700, -69.7460 |

# Conversions

## Conversions Part 2

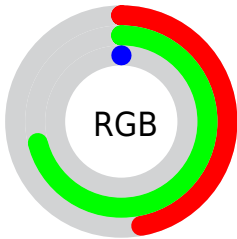
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 182, 62                      |
| Decimal                             | 7910912                         |
| CIELab                              | 67.61, -42.30, 68.31            |
| CIELCh                              | 68, 80.351, 121.768             |
| Yxy                                 | 37.4490, 0.3606,<br>0.5518      |
| Android<br>(android.graphics.Color) | 4286100992<br>(0xFF78B600)      |
| YUV                                 | 142.7140, -70.3580,<br>-19.9202 |
| Hunter-Lab                          | 61.1956, -35.7055,<br>37.0833   |

# Details

The Hex color **78B600** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3E00B6**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **B1EE4E**, and **3F8100** is the 20% darker color. If you saturate the color by 10%, you get **78B600**, and if you desaturate by 10%, it is **7EB612**.

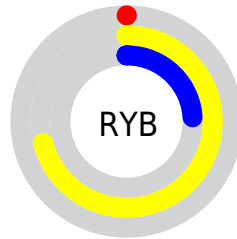
# Distribution



Red (47%)

Green (71%)

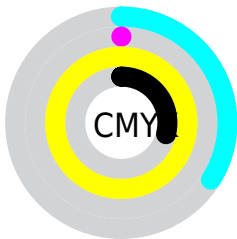
Blue (0%)



Red (0%)

Yellow (71%)

Blue (24%)

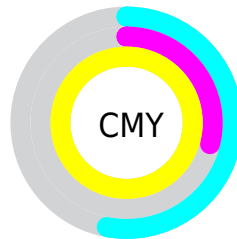


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (53%)

Magenta (29%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78B600 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 78B600 by changing the saturation by 10% instead.



 78B600

 78B600

FFFFFF

 5C9B00

 B1EE4E

 3F8100

 CFFF6A

 1F6700

 ECFF86

 004E00

 FFFFA3

 003700

 FFFFBF

 002200

 FFFFDC

 000000

 FFFFFA

 78B600

 7EB612

 84B624

 8BB637

 91B649

 97B65B

 9DB66D

 A3B67F

 AAB692

 B0B6A4

# Harmonies

## Analogous

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



C2A300



78B600



00C15C

# Triad

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



78B600



00BDFE



FF54A4

# Complementary

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



78B600



3E00B6

# 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.



FE6BEB



78B600



00ACFF

# Square

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



78B600



00C5EF



A68FFF



FF645D

# Rectangle

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



78B600



00C48E



A68FFF



FF58BC



# Sweetspot

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



78B600



D5EDA6



B63D00



69784D



F7F7F7



787878



# Same Dimension

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



78B600



9CED00



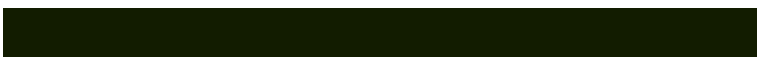
1EB600



595C53



679C00



121C00



# Inverse Universe

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



3E00B6



5100ED



9800B6



56535C



35009C



0A001C



# Previews

## White Background



This preview shows how the Hex color 78B600 looks on a white background.

## Color Contrast Check

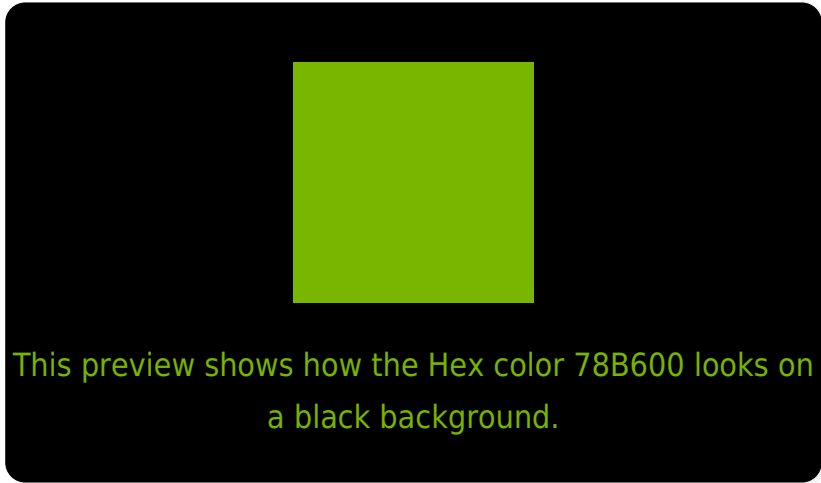
Large Text (above 18pt) WCAG AA × Fail

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 78B600 Background



This preview shows how black text looks on a background with the Hex color 78B600.



This preview shows how white text looks on a background with the Hex color 78B600.

# 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**  
78B600

**Protanopia**  
B9A400

**Deuteranopia**  
CF9C23



**Tritanopia**  
8BA9B7

# Trichromacy



**Original Color**

78B600



**Protanomaly**

A1AB00



**Deuteranomaly**

AFA516



**Tritanomaly**

84AE74

# Monochromacy



**Original Color**

78B600



**Achromatopsia**

8F8F8F



**Achromatomaly**

879D5B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78B600 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 #78B600 looks like.

```
.text, #text, p{  
    color:#78B600  
}
```

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 #78B600 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78B600
}
```

## Border

The CSS property to change the border of an element to Hex 78B600 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
#78B600 }
```

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

```
.border{ border-color:#78B600 }
```

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

Here you see how a box with a 4 pixel #78B600 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78B600; -webkit-box-shadow:4px 4px  
4px 4px #78B600; box-shadow:4px 4px 4px  
4px #78B600 }
```

# Background

The CSS property to change the background color of an element to Hex 78B600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78B600 }
```

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

```
.background{ background-color:#78B600 }
```

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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