

# Converting Colors

Hex(78B46D)

Have a look what the booklet for  
Hex(78B46D) contains.

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# **Color**

**Hex(78B46D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78B46D
RGB	120, 180, 109
RGB Percent	47%, 71%, 43%
CMY	0.5294, 0.2941, 0.5725
CMYK	0.33, 0.00, 0.39, 0.29
HSL	111°, 32%, 57%
HSV	111°, 39%, 71%
XYZ	26.8273, 37.7397, 20.3385
YIQ	153.9660, -12.9690, -34.8010

# Conversions

## Conversions Part 2

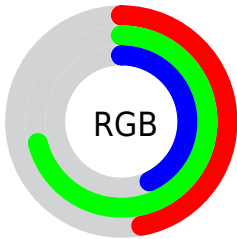
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 180, 169
Decimal	7910509
CIELab	67.83, -33.35, 30.20
CIELCh	68, 44.993, 137.831
Yxy	37.7397, 0.3160, 0.4445
Android (android.graphics.Color)	4286100589 (0xFF78B46D)
YUV	153.9660, -22.1682, -29.7882
Hunter-Lab	61.4327, -29.5572, 23.3737

# Details

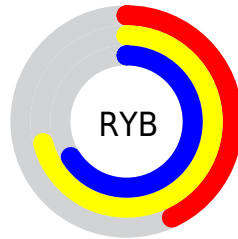
The Hex color **78B46D** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **A96DB4**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **AEECA1**, and **447F3C** is the 20% darker color. If you saturate the color by 10%, you get **69B45B**, and if you desaturate by 10%, it is **87B47F**.

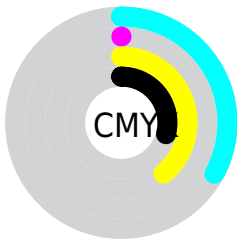
# Distribution



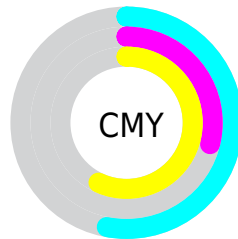
- Red (47%)
- Green (71%)
- Blue (43%)



- Red (43%)
- Yellow (71%)
- Blue (66%)



- Cyan (33%)
- Magenta (0%)
- Yellow (39%)
- Black (29%)



- Cyan (53%)
- Magenta (29%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78B46D 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 78B46D by changing the saturation by 10% instead.



 78B46D

 78B46D

FFFFFF

 5E9954

 AEECA1

 447F3C

 CAFFBD

 2A6525

 E7FFD9

 0C4D0D

 FFFFF5

 003500

 002200

 000000

 78B46D

 78B46D

 69B45B

 87B47F

 5AB449

 96B491

 4AB437

 A6B4A3

 3BB425

 B5B4B5

 2CB413

 C4B4C7

 1DB401

 D3B4D9

 1CB400

 E2B4EB

 F2B4FD

 FFB4FF

# Harmonies

## Analogous

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



A6AA56



78B46D



39B993

# Triad

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



78B46D



37AEF4



F3858E

# Complementary

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



78B46D



A96DB4

# 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.



E986B8



78B46D



8FA1F2

# Square

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



78B46D



00B7E0



C791DC



E88F6B

# Rectangle

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



78B46D



00BAAF



C791DC



F2849C



# Sweetspot

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



78B46D



D3EBCE



B4A86D



677565



F5F5F5



757575



# Same Dimension

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



78B46D



8DEB7C



6DB485



525950



189900



041A00



# Inverse Universe

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



A96DB4



DA7CEB



B46D9C



585059



810099



16001A



# Previews

## White Background



This preview shows how the Hex color 78B46D looks on a white background.

## Color Contrast Check

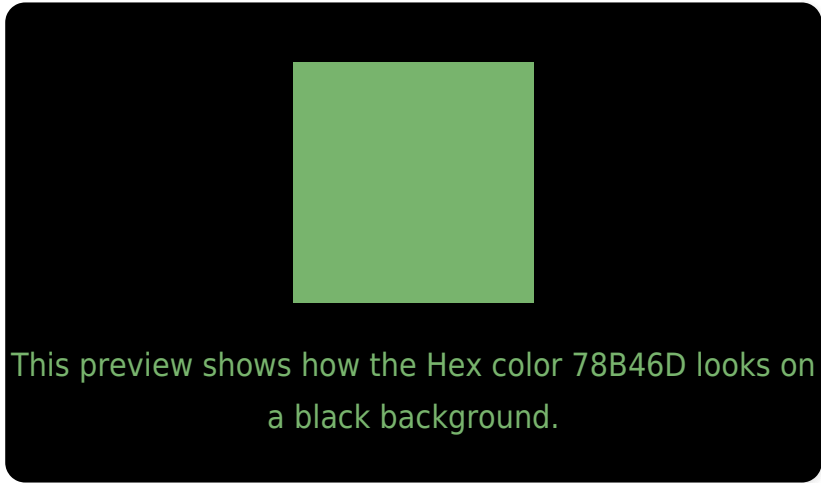
Large Text (above 18pt) WCAG AA × Fail

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

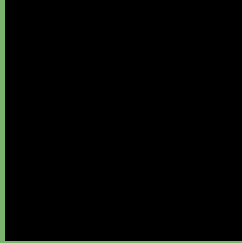
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 78B46D Background



This preview shows how black text looks on a background with the Hex color 78B46D.

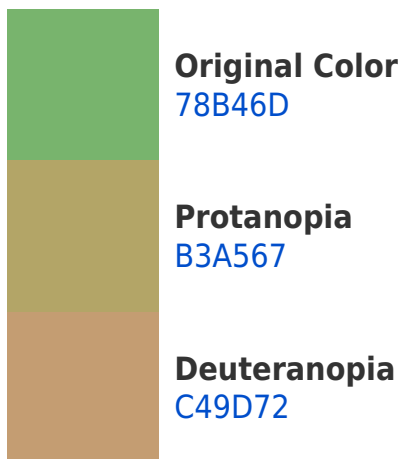


This preview shows how white text looks on a background with the Hex color 78B46D.

# 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](#).

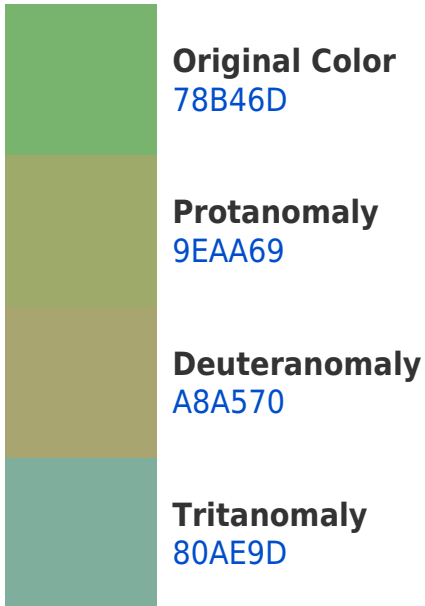
## Dichromacy



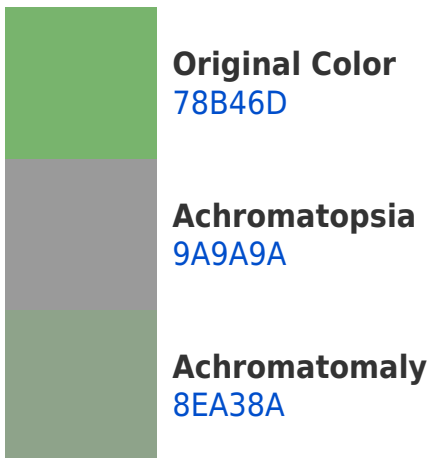


**Tritanopia**  
85ABB9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78B46D 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 #78B46D looks like.

```
.text, #text, p{  
    color:#78B46D  
}
```

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 #78B46D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78B46D
}
```

## Border

The CSS property to change the border of an element to Hex 78B46D 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
#78B46D }
```

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

```
.border{ border-color:#78B46D }
```

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

Here you see how a box with a 4 pixel #78B46D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78B46D; -webkit-box-shadow:4px 4px  
4px 4px #78B46D; box-shadow:4px 4px 4px  
4px #78B46D }
```

# Background

The CSS property to change the background color of an element to Hex 78B46D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78B46D }
```

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

```
.background{ background-color:#78B46D }
```

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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