

# Converting Colors

Hex(78820D)

Have a look what the booklet for  
Hex(78820D) contains.

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**Color**

**Hex(78820D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78820D
RGB	120, 130, 13
RGB Percent	47%, 51%, 5%
CMY	0.5294, 0.4902, 0.9490
CMYK	0.08, 0.00, 0.90, 0.49
HSL	65°, 82%, 28%
HSV	65°, 90%, 51%
XYZ	15.8010, 19.9874, 3.4059
YIQ	113.6720, 31.5970, -38.5070

# Conversions

## Conversions Part 2

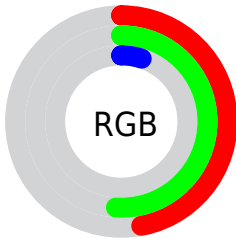
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 130, 23
Decimal	7897613
CIELab	51.82, -17.41, 53.92
CIElCh	52, 56.661, 107.897
Yxy	19.9874, 0.4031, 0.5100
Android (android.graphics.Color)	4286087693 (0xFF78820D)
YUV	113.6720, -49.6313, 5.5497
Hunter-Lab	44.7073, -15.1500, 26.7782

# Details

The Hex color **78820D** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **170D82**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **AFB748**, and **445100** is the 20% darker color. If you saturate the color by 10%, you get **778200**, and if you desaturate by 10%, it is **79821A**.

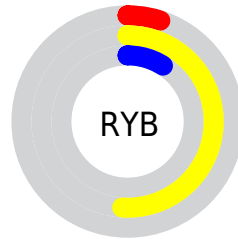
# Distribution



Red (47%)

Green (51%)

Blue (5%)



Red (5%)

Yellow (51%)

Blue (9%)

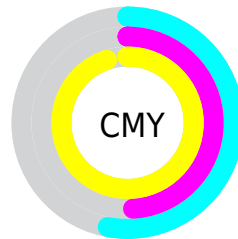


Cyan (8%)

Magenta (0%)

Yellow (90%)

Black (49%)



Cyan (53%)

Magenta (49%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78820D 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 78820D by changing the saturation by 10% instead.



 78820D

 78820D

FFFFFF

 5D6900

 AFB748

 445100

 CCD262

 2A3A00

 E9EF7D

 102400

 FFFF98

 000C00

 FFFFB4

 000000

 FFFFD0

 FFFFED

 78820D

 78820D

■ 778200

■ 79821A

■ 7A8227

■ 7B8234

■ 7C8241

■ 7E824E

■ 7F825B

■ 808268

■ 818275

■ 828282

# Harmonies

## Analogous

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



A4720F



78820D



3C8C36

# Triad

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



78820D



008FC3



C94F91

# Complementary

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



78820D



170D82

# 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.



A261BD



78820D



0087DB

# Square

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



78820D



009298



5377D8



D34D61

# Rectangle

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



78820D



009055



5377D8



BF54A1



# Sweetspot

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



78820D



A4A87B



82170D



525439



D4D4D4



545454



# Same Dimension

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



78820D



9AA800



3E820D



3F4039



758000



000000



# Inverse Universe

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



170D82



0E00A8



510D82



3A3940



0B0080



000000



# Previews

## White Background



This preview shows how the Hex color 78820D looks on a white background.

## Color Contrast Check

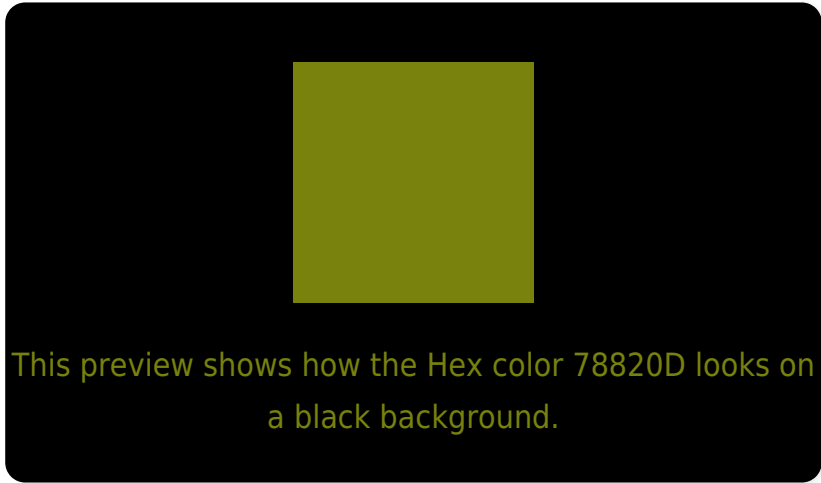
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 78820D Background



This preview shows how black text looks on a background with the Hex color 78820D.



This preview shows how white text looks on a background with the Hex color 78820D.

# 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**  
78820D

**Protanopia**  
8B7C0A

**Deuteranopia**  
9C7518



**Tritanopia**  
817982

# Trichromacy



**Original Color**  
78820D

**Protanomaly**  
847E0B

**Deuteranomaly**  
8F7A14

**Tritanomaly**  
7E7C57

# Monochromacy



**Original Color**  
78820D

**Achromatopsia**  
727272

**Achromatomaly**  
74784D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78820D 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 #78820D looks like.

```
.text, #text, p{  
    color:#78820D  
}
```

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 #78820D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78820D
}
```

## Border

The CSS property to change the border of an element to Hex 78820D 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
#78820D }
```

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

```
.border{ border-color:#78820D }
```

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

Here you see how a box with a 4 pixel #78820D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78820D; -webkit-box-shadow:4px 4px  
4px 4px #78820D; box-shadow:4px 4px 4px  
4px #78820D }
```

# Background

The CSS property to change the background color of an element to Hex 78820D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78820D }
```

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

```
.background{ background-color:#78820D }
```

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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