

Converting Colors

Hex(798E31)

Have a look what the booklet for
Hex(798E31) contains.

Hex(798E31)	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(798E31)

Conversions

Conversions Part 1

Format	Color
Hex	798E31
RGB	121, 142, 49
RGB Percent	47%, 56%, 19%
CMY	0.5255, 0.4431, 0.8078
CMYK	0.15, 0.00, 0.65, 0.44
HSL	74°, 49%, 37%
HSV	74°, 65%, 56%
XYZ	18.1125, 23.6327, 6.5127
YIQ	125.1190, 17.3370, -33.3750

Conversions

Conversions Part 2

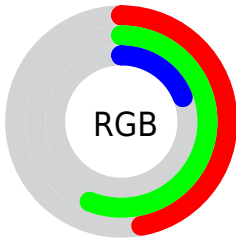
Format	Color
RYB	49, 142, 70
Decimal	7966257
CIELab	55.72, -21.40, 45.44
CIElCh	56, 50.224, 115.221
Yxy	23.6327, 0.3753, 0.4897
Android (android.graphics.Color)	4286156337 (0xFF798E31)
YUV	125.1190, -37.5267, -3.6124
Hunter-Lab	48.6135, -18.5676, 26.0865

Details

The Hex color **798E31** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **46318E**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **AFC464**, and **455C00** is the 20% darker color. If you saturate the color by 10%, you get **768E23**, and if you desaturate by 10%, it is **7C8E3F**.

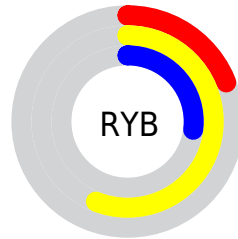
Distribution



Red (47%)

Green (56%)

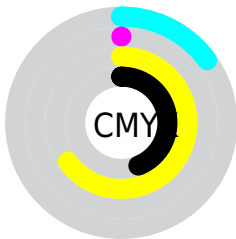
Blue (19%)



Red (19%)

Yellow (56%)

Blue (27%)

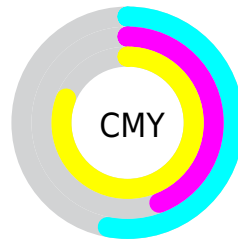


Cyan (15%)

Magenta (0%)

Yellow (65%)

Black (44%)



Cyan (53%)

Magenta (44%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 798E31 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 798E31 by changing the saturation by 10% instead.

 798E31

 798E31

FFFFFF

 5F7416

 AFC464

 455C00

 CCE07E

 2D4400

 E9FC99

 132E00

 FFFFB4

 001B00

 FFFF00

 000000

 FFFFED

 798E31

 798E31

 768E23

 7C8E3F

■ 738E15

■ 7F8E4D

■ 6F8E06

■ 838E5C

■ 6E8E00

■ 868E6A

■ 898E78

■ 8C8E86

■ 8F8E94

■ 938EA3

■ 968EB1

Harmonies

Analogous

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



A38129



798E31



419651

Triad

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



798E31



0096CC



D15F8E

Complementary

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



798E31



46318E

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.



B46BB8



798E31



008CDC

Square

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



798E31



009AA9



7B7DD5



D56263

Rectangle

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



798E31



00996E



7B7DD5



CA619D

Sweetspot

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



798E31



AFB893



8E4531



575C46



DBDBDB



5C5C5C

Same Dimension

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



798E31



97B827



4B8E31



464740



698700



060800

Inverse Universe

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



46318E



4727B8



74318E



424047



1F0087



020008

Previews

White Background



This preview shows how the Hex color 798E31 looks on a white background.

Color Contrast Check

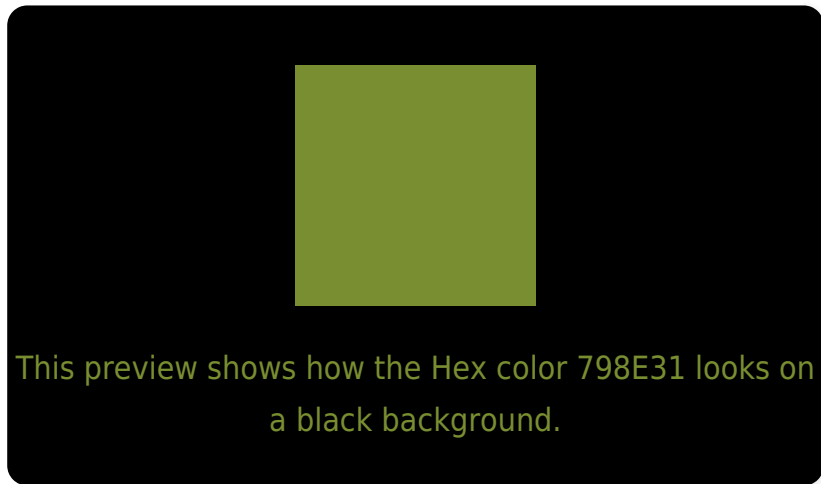
Large Text (above 18pt) WCAG AA ✓ Pass

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

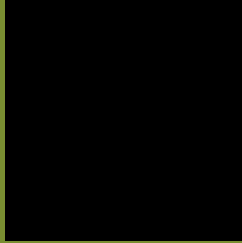
Any Text WCAG AA ✓ Pass

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 798E31 Background



This preview shows how black text looks on a background with the Hex color 798E31.



This preview shows how white text looks on a background with the Hex color 798E31.

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
798E31

Protanopia
95852F

Deuteranopia
A67F36



Tritanopia
83858F

Trichromacy



Original Color
798E31

Protanomaly
8B8830

Deuteranomaly
968434

Tritanomaly
7F886D

Monochromacy



Original Color
798E31

Achromatopsia
7D7D7D

Achromatomaly
7C8361

CSS Examples

Text

The CSS property to change the color of the text to Hex 798E31 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 #798E31 looks like.

```
.text, #text, p{  
    color:#798E31  
}
```

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 #798E31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #798E31
}
```

Border

The CSS property to change the border of an element to Hex 798E31 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
#798E31 }
```

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

```
.border{ border-color:#798E31 }
```

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

Here you see how a box with a 4 pixel #798E31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #798E31; -webkit-box-shadow:4px 4px  
4px 4px #798E31; box-shadow:4px 4px 4px  
4px #798E31 }
```

Background

The CSS property to change the background color of an element to Hex 798E31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#798E31 }
```

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

```
.background{ background-color:#798E31 }
```

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