

# Converting Colors

Hex(877B27)

Have a look what the booklet for  
Hex(877B27) contains.

<b>Hex(877B27)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(877B27)**

# Conversions

## Conversions Part 1

Format	Color
Hex	877B27
RGB	135, 123, 39
RGB Percent	53%, 48%, 15%
CMY	0.4706, 0.5176, 0.8471
CMYK	0.00, 0.09, 0.71, 0.47
HSL	52°, 55%, 34%
HSV	52°, 71%, 53%
XYZ	17.4408, 19.4633, 4.7570
YIQ	117.0120, 34.1160, -23.5800

# Conversions

## Conversions Part 2

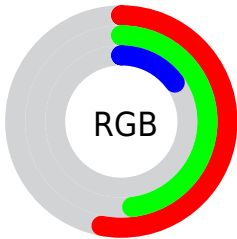
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 135, 39
Decimal	8878887
CIELab	51.22, -5.64, 45.46
CIElCh	51, 45.813, 97.066
Yxy	19.4633, 0.4186, 0.4672
Android (android.graphics.Color)	4287068967 (0xFF877B27)
YUV	117.0120, -38.4599, 15.7755
Hunter-Lab	44.1172, -6.6388, 24.4890

# Details

The Hex color **877B27** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **273387**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **BFAF59**, and **524B00** is the 20% darker color. If you saturate the color by 10%, you get **87791A**, and if you desaturate by 10%, it is **877D35**.

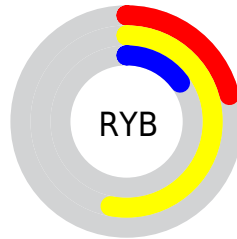
# Distribution



Red (53%)

Green (48%)

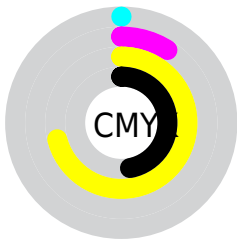
Blue (15%)



Red (21%)

Yellow (53%)

Blue (15%)

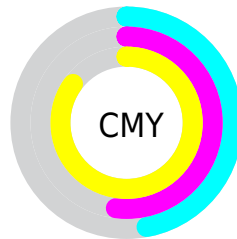


Cyan (0%)

Magenta (9%)

Yellow (71%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 877B27 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 877B27 by changing the saturation by 10% instead.





877B27



877B27

FFFFFF



6C620A



BFAF59



524B00



DCCB73



393400



F9E78E



201F00



FFFFA9



000800



FFFFC4



000000



FFFFE1

FFFFFFE



877B27



877B27

■ 87791A

■ 877D35

■ 87780C

■ 877E42

■ 877600

■ 87804F

■ 87825D

■ 87836B

■ 878578

■ 878785

■ 878993

■ 878AA1

# Harmonies

## Analogous

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



A86D31



877B27



5E8538

# Triad

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



877B27



008CA8



B15D99

# Complementary

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



877B27



273387

# 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.



886CB9



877B27



0086C2

# Square

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



877B27



008D82



407BC8



C25772

# Rectangle

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



877B27



398A4E



407BC8



A661A5



# Sweetspot

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



877B27



B0AB8B



872734



595643



D9D9D9



595959



# Same Dimension

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



877B27



B09D1A



648727



42413C



827200



030200



# Inverse Universe

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



273387



1A2DB0



4A2787



3C3C42



001082



000003



# Previews

## White Background



This preview shows how the Hex color 877B27 looks on a white background.

## Color Contrast Check

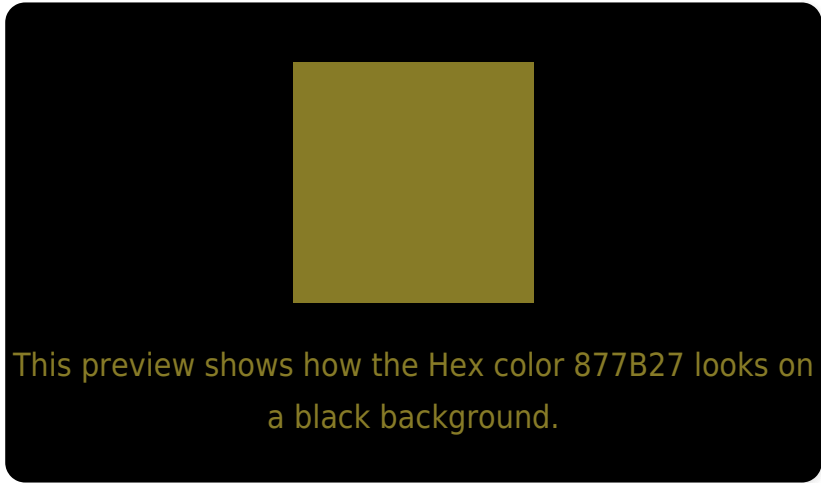
Large Text (above 18pt) WCAG AA ✓ Pass

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

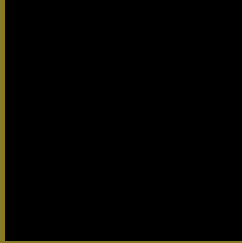
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 877B27 Background



This preview shows how black text looks on a background with the Hex color 877B27.



This preview shows how white text looks on a background with the Hex color 877B27.

# 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](#).

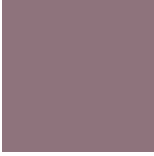
## Dichromacy



**Original Color**  
877B27

**Protanopia**  
897A27

**Deuteranopia**  
99742A



**Tritanopia**  
8E737C

# Trichromacy



**Original Color**  
877B27

**Protanomaly**  
887A27

**Deuteranomaly**  
927729

**Tritanomaly**  
8B765D

# Monochromacy



**Original Color**  
877B27

**Achromatopsia**  
757575

**Achromatomaly**  
7C7759

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 877B27 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 #877B27 looks like.

```
.text, #text, p{  
    color:#877B27  
}
```

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 #877B27 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #877B27
}
```

## Border

The CSS property to change the border of an element to Hex 877B27 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
#877B27 }
```

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

```
.border{ border-color:#877B27 }
```

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

Here you see how a box with a 4 pixel #877B27 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #877B27; -webkit-box-shadow:4px 4px  
4px 4px #877B27; box-shadow:4px 4px 4px  
4px #877B27 }
```

# Background

The CSS property to change the background color of an element to Hex 877B27 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#877B27 }
```

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

```
.background{ background-color:#877B27 }
```

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