

Converting Colors

Hex(007A33)

Have a look what the booklet for
Hex(007A33) contains.

Hex(007A33)	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(007A33)

Conversions

Conversions Part 1

Format	Color
Hex	007A33
RGB	0, 122, 51
RGB Percent	0%, 48%, 20%
CMY	1.0000, 0.5216, 0.8000
CMYK	1.00, 0.00, 0.58, 0.52
HSL	145°, 100%, 24%
HSV	145°, 100%, 48%
XYZ	7.5571, 14.1581, 5.4665
YIQ	77.4280, -49.9210, -47.9450

Conversions

Conversions Part 2

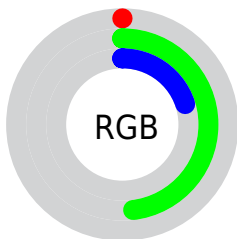
Format	Color
RYB	0, 86, 122
Decimal	31283
CIELab	44.46, -45.60, 30.46
CIELCh	44, 54.834, 146.257
Yxy	14.1581, 0.2780, 0.5209
Android (android.graphics.Color)	4278221363 (0xFF007A33)
YUV	77.4280, -13.0290, -67.9044
Hunter-Lab	37.6272, -29.9976, 17.7255

Details

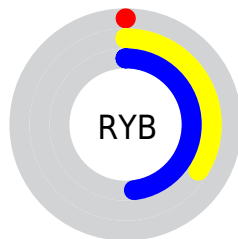
The Hex color **007A33** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7A0047**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **4DB063**, and **004803** is the 20% darker color. If you saturate the color by 10%, you get **007A33**, and if you desaturate by 10%, it is **0C7A3A**.

Distribution



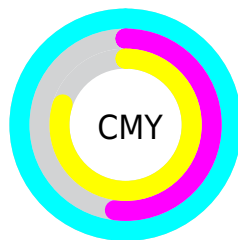
- Red (0%)
- Green (48%)
- Blue (20%)



- Red (0%)
- Yellow (34%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 007A33 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 007A33 by changing the saturation by 10% instead.

 007A33

 007A33

FFFFFF

 00601C

 4DB063

 004803

 69CB7D

 003000

 86E897

 001800

 A2FFB2

 000000

 BFFFCE

 DCFFEA


 F9FFFF

 007A33

 0C7A3A

 187A41

 257A48

 317A4F

 3D7A57

 497A5E

 557A65

 627A6C

 6E7A73

Harmonies

Analogous

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



577202



007A33



007E62

Triad

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



007A33



0070C5



B83F44

Complementary

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



007A33



7A0047

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.



B63A71



007A33



5C5FBC

Square

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



007A33



007AB5



9A4A9D



A5521A

Rectangle

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



007A33



007E81



9A4A9D



BA3B52

Sweetspot

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



007A33



6F9E82



477A00



334F3E



CFCFCF



4F4F4F

Same Dimension

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



007A33



009E42



007A70



373D3A



007D34



00FC6A

Inverse Universe

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



7A0047



9E005C



7A000A



3D373B



7D0049



FC0093

Previews

White Background



This preview shows how the Hex color 007A33 looks on a white background.

Color Contrast Check

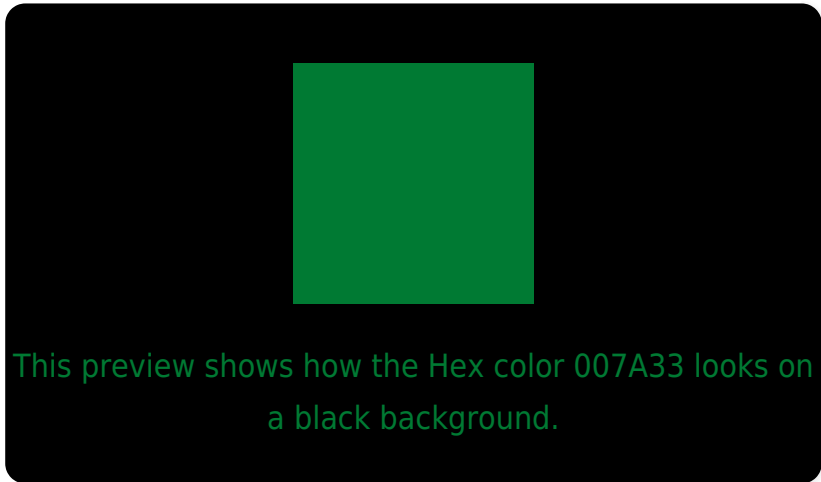
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Hex 007A33 Background



This preview shows how black text looks on a background with the Hex color 007A33.



This preview shows how white text looks on a background with the Hex color 007A33.

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
007A33

Protanopia
75692E

Deuteranopia
806439



Tritanopia
30737C

Trichromacy



Original Color
007A33



Protanomaly
4A6F30



Deuteranomaly
516C37



Tritanomaly
1F7661

Monochromacy



Original Color
007A33



Achromatopsia
4D4D4D



Achromatomaly
315D44

CSS Examples

Text

The CSS property to change the color of the text to Hex 007A33 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 #007A33 looks like.

```
.text, #text, p{  
    color:#007A33  
}
```

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 #007A33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007A33
}
```

Border

The CSS property to change the border of an element to Hex 007A33 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
#007A33 }
```

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

```
.border{ border-color:#007A33 }
```

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

Here you see how a box with a 4 pixel #007A33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007A33; -webkit-box-shadow:4px 4px  
4px 4px #007A33; box-shadow:4px 4px 4px  
4px #007A33 }
```

Background

The CSS property to change the background color of an element to Hex 007A33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007A33 }
```

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

```
.background{ background-color:#007A33 }
```

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