

Converting Colors

Hex(007B45)

Have a look what the booklet for
Hex(007B45) contains.

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Color

Hex(007B45)

Conversions

Conversions Part 1

Format	Color
Hex	007B45
RGB	0, 123, 69
RGB Percent	0%, 48%, 27%
CMY	1.0000, 0.5176, 0.7294
CMYK	1.00, 0.00, 0.44, 0.52
HSL	154°, 100%, 24%
HSV	154°, 100%, 48%
XYZ	8.1571, 14.5956, 8.0175
YIQ	80.0670, -55.9740, -42.8700

Conversions

Conversions Part 2

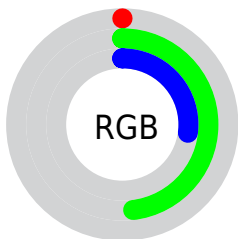
Format	Color
RYB	0, 79, 123
Decimal	31557
CIELab	45.08, -42.71, 21.47
CIELCh	45, 47.802, 153.306
Yxy	14.5956, 0.2651, 0.4743
Android (android.graphics.Color)	4278221637 (0xFF007B45)
YUV	80.0670, -5.4560, -70.2188
Hunter-Lab	38.2042, -28.7450, 14.3003

Details

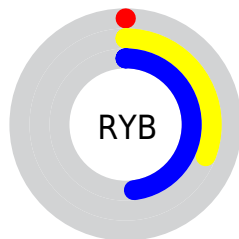
The Hex color **007B45** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7B0036**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **4DB176**, and **004918** is the 20% darker color. If you saturate the color by 10%, you get **007B45**, and if you desaturate by 10%, it is **0C7B4A**.

Distribution



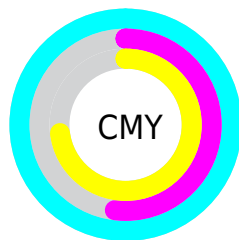
- Red (0%)
- Green (48%)
- Blue (27%)



- Red (0%)
- Yellow (31%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 007B45 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 007B45 by changing the saturation by 10% instead.



007B45



007B45

FFFFFF



00612E



4DB176



004918



69CC90



003100



85E9AA



001A00



A2FFC6



000000



BEFFE2



DBFFFF



F9FFFF




007B45

 0C7B4A

 197B50

 257B55

 317B5B

 3E7B60

 4A7B65

 567B6B

 627B70

 6F7B76

Harmonies

Analogous

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



527522



007B45



007E6E

Triad

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



007B45



006EBA



AF4B41

Complementary

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



007B45



7B0036

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.



B24468



007B45



715EAE

Square

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



007B45



0078B2



9E4D8F



9B5B21

Rectangle

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



007B45



007D89



9E4D8F



B2484E

Sweetspot

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



007B45



70A18B



377B00



345245



D1D1D1



525252

Same Dimension

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



007B45



00A15A



00757B



373D3B



007D46



00FC8E

Inverse Universe

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



7B0036



A10047



7B0600



3D373A



7D0037



FC006F

Previews

White Background



This preview shows how the Hex color 007B45 looks on a white background.

Color Contrast Check

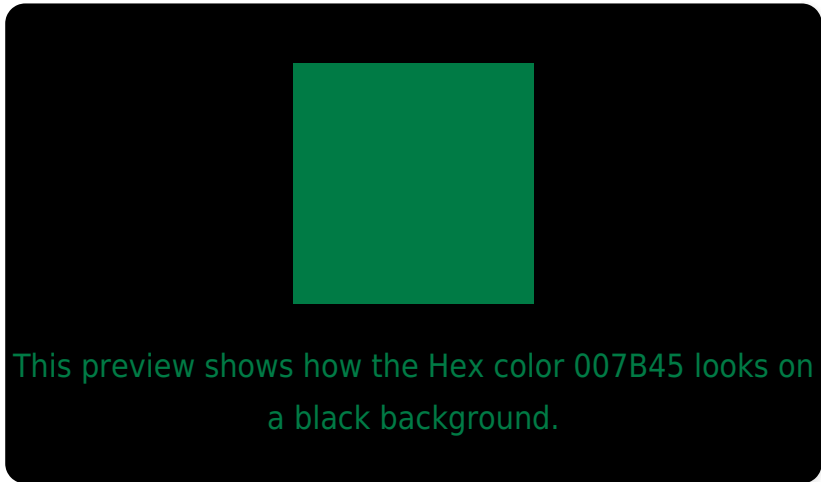
Large Text (above 18pt) WCAG AA ✓ Pass

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 007B45 Background



This preview shows how black text looks on a background with the Hex color 007B45.



This preview shows how white text looks on a background with the Hex color 007B45.

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
007B45

Protanopia
746A3F

Deuteranopia
7F664A



Tritanopia
2E747E

Trichromacy



Original Color
007B45



Protanomaly
4A7041



Deuteranomaly
516E48



Tritanomaly
1D7769

Monochromacy



Original Color
007B45



Achromatopsia
505050



Achromatomaly
33604C

CSS Examples

Text

The CSS property to change the color of the text to Hex 007B45 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 #007B45 looks like.

```
.text, #text, p{  
    color:#007B45  
}
```

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 #007B45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007B45
}
```

Border

The CSS property to change the border of an element to Hex 007B45 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
#007B45 }
```

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

```
.border{ border-color:#007B45 }
```

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

Here you see how a box with a 4 pixel #007B45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007B45; -webkit-box-shadow:4px 4px  
4px 4px #007B45; box-shadow:4px 4px 4px  
4px #007B45 }
```

Background

The CSS property to change the background color of an element to Hex 007B45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007B45 }
```

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

```
.background{ background-color:#007B45 }
```

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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