

# Converting Colors

Hex(2A7660)

Have a look what the booklet for  
Hex(2A7660) contains.

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# Color

Hex(2A7660)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A7660
RGB	42, 118, 96
RGB Percent	16%, 46%, 38%
CMY	0.8353, 0.5373, 0.6235
CMYK	0.64, 0.00, 0.19, 0.54
HSL	163°, 48%, 31%
HSV	163°, 64%, 46%
XYZ	9.5446, 14.2936, 13.3222
YIQ	92.7680, -38.2340, -22.9540

# Conversions

## Conversions Part 2

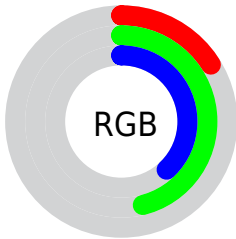
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 86, 118
Decimal	2782816
CIELab	44.65, -29.02, 5.28
CIELCh	45, 29.500, 169.686
Yxy	14.2936, 0.2568, 0.3846
Android (android.graphics.Color)	4280972896 (0xFF2A7660)
YUV	92.7680, 1.5934, -44.5235
Hunter-Lab	37.8069, -21.0987, 5.5725

# Details

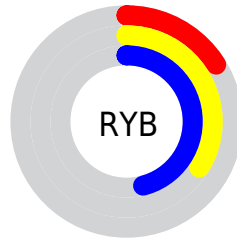
The Hex color **2A7660** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **762A40**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **60AB92**, and **004532** is the 20% darker color. If you saturate the color by 10%, you get **1E765D**, and if you desaturate by 10%, it is **367663**.

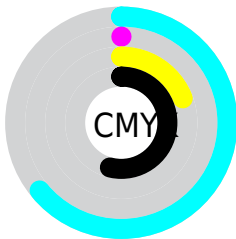
# Distribution



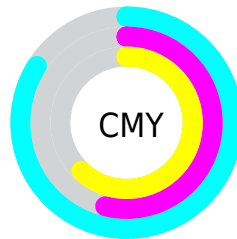
- Red (16%)
- Green (46%)
- Blue (38%)



- Red (16%)
- Yellow (34%)
- Blue (46%)



- Cyan (64%)
- Magenta (0%)
- Yellow (19%)
- Black (54%)



- Cyan (84%)
- Magenta (54%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A7660 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 2A7660 by changing the saturation by 10% instead.



 2A7660

 2A7660

FFFFFF

 065D48

 60AB92

 004532

 7BC6AD

 002E1D

 97E2C8

 001903

 B2FFE4

 000000

 CFFFFFF

 EFFFFFF

 2A7660

 2A7660

 1E765D

 367663

■ 127659

■ 427667

■ 077656

■ 4D766A

■ 007654

■ 59766E

■ 657671

■ 717674

■ 7D7678

■ 88767B

■ 94767F

# Harmonies

## Analogous

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



4D7349



2A7660



007679

# Triad

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



2A7660



5F6698



925D45

# Complementary

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



2A7660



762A40

# 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.



99575A



2A7660



805D8A

# Square

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



2A7660



336F9A



945773



816539

# Rectangle

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



2A7660



007588



945773



955A4B



# Sweetspot

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



2A7660



7C9991



41762A



3B4D47



CCCCCC



4D4D4D



# Same Dimension

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



2A7660



239977



2A6776



353B39



007A57



00FAB2



# Inverse Universe

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



762A40



992345



76392A



3B3536



7A0023



FA0048



# Previews

## White Background



This preview shows how the Hex color 2A7660 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

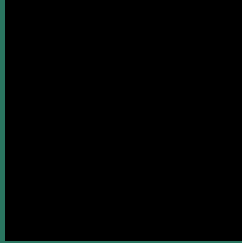
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A7660 Background



This preview shows how black text looks on a background with the Hex color 2A7660.



This preview shows how white text looks on a background with the Hex color 2A7660.

# 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**  
2A7660

**Protanopia**  
6F6959

**Deuteranopia**  
756564



**Tritanopia**  
35727B

# Trichromacy



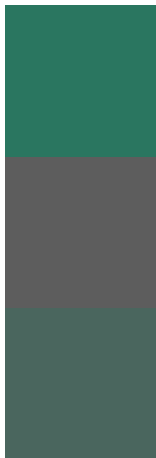
**Original Color**  
2A7660

**Protanomaly**  
566E5C

**Deuteranomaly**  
5A6B63

**Tritanomaly**  
317371

# Monochromacy



**Original Color**  
2A7660

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
4A665E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A7660 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 #2A7660 looks like.

```
.text, #text, p{  
    color:#2A7660  
}
```

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 #2A7660 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A7660
}
```

## Border

The CSS property to change the border of an element to Hex 2A7660 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
#2A7660 }
```

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

```
.border{ border-color:#2A7660 }
```

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

Here you see how a box with a 4 pixel #2A7660 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A7660; -webkit-box-shadow:4px 4px  
4px 4px #2A7660; box-shadow:4px 4px 4px  
4px #2A7660 }
```

# Background

The CSS property to change the background color of an element to Hex 2A7660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A7660 }
```

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

```
.background{ background-color:#2A7660 }
```

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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