

# Converting Colors

Hex(2A7826)

Have a look what the booklet for  
Hex(2A7826) contains.

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**Color**

**Hex(2A7826)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A7826
RGB	42, 120, 38
RGB Percent	16%, 47%, 15%
CMY	0.8353, 0.5294, 0.8510
CMYK	0.65, 0.00, 0.68, 0.53
HSL	117°, 52%, 31%
HSV	117°, 68%, 47%
XYZ	8.0212, 14.0651, 4.1258
YIQ	87.3300, -20.1660, -42.0380

# Conversions

## Conversions Part 2

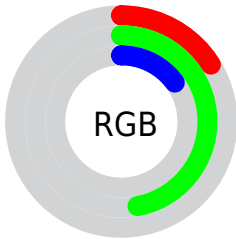
<b>Format</b>	<b>Color</b>
<b>RYB</b>	38, 120, 116
Decimal	2783270
CIELab	44.33, -40.71, 36.83
CIELCh	44, 54.902, 137.862
Yxy	14.0651, 0.3060, 0.5366
Android (android.graphics.Color)	4280973350 (0xFF2A7826)
YUV	87.3300, -24.3197, -39.7544
Hunter-Lab	37.5035, -27.4539, 19.7299

# Details

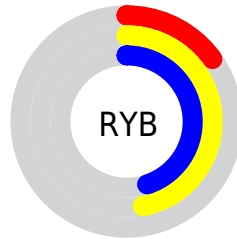
The Hex color **2A7826** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **742678**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **62AD57**, and **004600** is the 20% darker color. If you saturate the color by 10%, you get **1F781A**, and if you desaturate by 10%, it is **357832**.

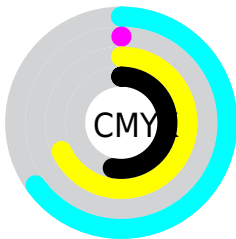
# Distribution



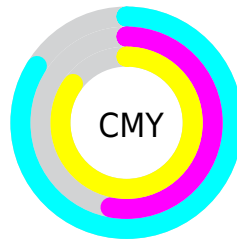
- Red (16%)
- Green (47%)
- Blue (15%)



- Red (15%)
- Yellow (47%)
- Blue (45%)



- Cyan (65%)
- Magenta (0%)
- Yellow (68%)
- Black (53%)



- Cyan (84%)
- Magenta (53%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A7826 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 2A7826 by changing the saturation by 10% instead.



 2A7826

 2A7826


FFFFFF

 035F0C

 62AD57

 004600

 7DC970

 002F00

 98E58B

 001800

 B4FFA5

 000000

 D1FFC1

 EEFFDD

 FFFFFA

 2A7826

 2A7826

■ 1F781A

■ 357832

■ 13780E

■ 41783E

■ 087802

■ 4C784A

■ 067800

■ 587856

■ 637862

■ 6E786E

■ 7A787A

■ 857886

■ 917892

# Harmonies

## Analogous

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



646F00



2A7826



007D54

# Triad

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



2A7826



0073C2



BA3B50

# Complementary

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



2A7826



742678

# 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.



B13C7D



2A7826



3E65C0

# Square

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



2A7826



007BAC



8D50A7



AC4C25

# Rectangle

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



2A7826



007E74



8D50A7



BA385F



# Sweetspot

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



2A7826



7C9C7B



787426



3C4F3B



CFCFCF



4F4F4F



# Same Dimension

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



2A7826



229C1C



26784B



373D37



067D00



0CFC00



# Inverse Universe

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



742678



951C9C



782653



3D373D



77007D

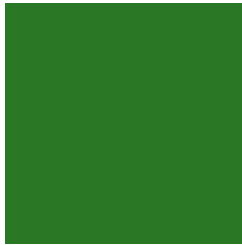


F000FC



# Previews

## White Background



This preview shows how the Hex color 2A7826 looks on a white background.

## Color Contrast Check

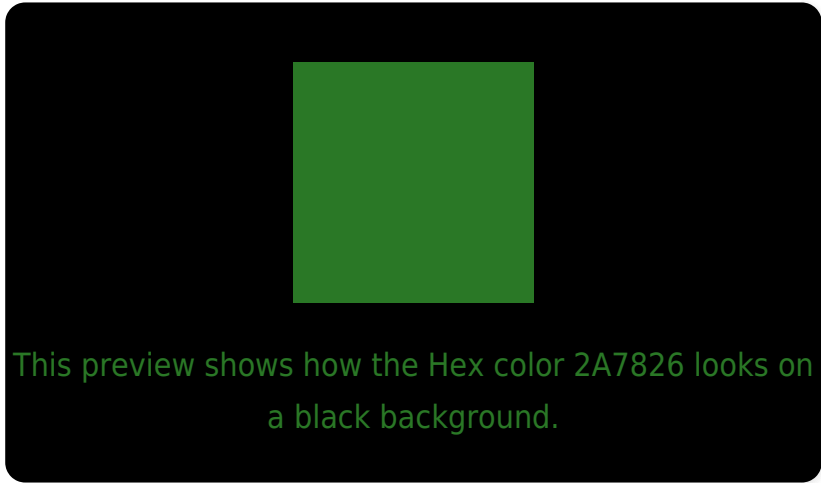
Large Text (above 18pt) WCAG AA ✓ Pass

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

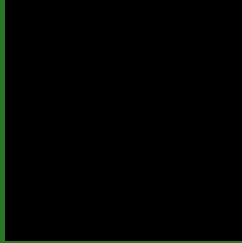
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A7826 Background



This preview shows how black text looks on a background with the Hex color 2A7826.



This preview shows how white text looks on a background with the Hex color 2A7826.

# 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**  
2A7826

**Protanopia**  
756822

**Deuteranopia**  
81632D



**Tritanopia**  
3E7079

# Trichromacy



**Original Color**  
2A7826

**Protanomaly**  
5A6E23

**Deuteranomaly**  
616B2A

**Tritanomaly**  
37735B

# Monochromacy



**Original Color**  
2A7826

**Achromatopsia**  
575757

**Achromatomaly**  
476345

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A7826 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 #2A7826 looks like.

```
.text, #text, p{  
    color:#2A7826  
}
```

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 #2A7826 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A7826
}
```

## Border

The CSS property to change the border of an element to Hex 2A7826 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
#2A7826 }
```

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

```
.border{ border-color:#2A7826 }
```

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

Here you see how a box with a 4 pixel #2A7826 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A7826; -webkit-box-shadow:4px 4px  
4px 4px #2A7826; box-shadow:4px 4px 4px  
4px #2A7826 }
```

# Background

The CSS property to change the background color of an element to Hex 2A7826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A7826 }
```

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

```
.background{ background-color:#2A7826 }
```

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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