

# Converting Colors

Hex(2A741D)

Have a look what the booklet for  
Hex(2A741D) contains.

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# Color

**Hex(2A741D)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | 2A741D                      |
| RGB           | 42, 116, 29                 |
| RGB Percent   | 16%, 45%, 11%               |
| CMY           | 0.8353, 0.5451, 0.8863      |
| CMYK          | 0.64, 0.00, 0.75, 0.55      |
| HSL           | 111°, 60%, 28%              |
| HSV           | 111°, 75%, 45%              |
| XYZ           | 7.4220, 13.0717, 3.2943     |
| YIQ           | 83.9560, -16.1770, -42.7450 |

# Conversions

## Conversions Part 2

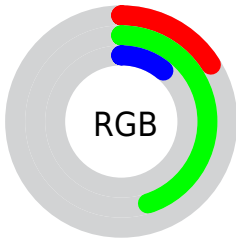
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>Y</sub>B</b>               | 29, 116, 103                   |
| Decimal                             | 2782237                        |
| CIE <sub>Lab</sub>                  | 42.87, -40.04, 39.18           |
| CIE <sub>LCh</sub>                  | 43, 56.023, 135.622            |
| Yxy                                 | 13.0717, 0.3120,<br>0.5495     |
| Android<br>(android.graphics.Color) | 4280972317<br>(0xFF2A741D)     |
| YUV                                 | 83.9560, -27.0933,<br>-36.7954 |
| Hunter-Lab                          | 36.1548, -26.6278,<br>19.9061  |

# Details

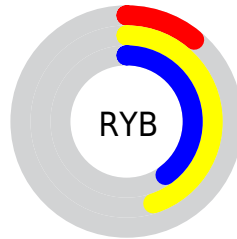
The Hex color **2A741D** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **671D74**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **61A94F**, and **004300** is the 20% darker color. If you saturate the color by 10%, you get **207411**, and if you desaturate by 10%, it is **347429**.

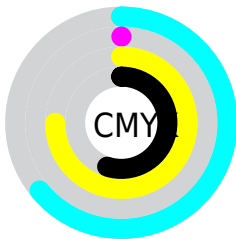
# Distribution



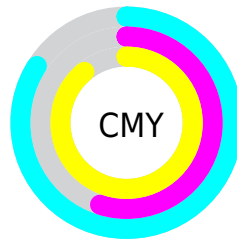
- Red (16%)
- Green (45%)
- Blue (11%)



- Red (11%)
- Yellow (45%)
- Blue (40%)



- Cyan (64%)
- Magenta (0%)
- Yellow (75%)
- Black (55%)



- Cyan (84%)
- Magenta (55%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A741D 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 2A741D by changing the saturation by 10% instead.



 2A741D

 2A741D

FFFFFF

 045B00

 61A94F

 004300

 7CC468

 002C00

 98E182

 001200

 B4FE9D

 000000

 D0FFB8

 EDFFD4

 FFFFF1

 2A741D

 2A741D

■ 207411

■ 347429

■ 167406

■ 3E7434

■ 117400

■ 487440

■ 51744B

■ 5B7457

■ 657463

■ 6F746E

■ 79747A

■ 837485

# Harmonies

## Analogous

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



646B00



2A741D



00794D

# Triad

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



2A741D



0071BF



B7344F

# Complementary

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



2A741D



671D74

# 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.



AC377E



2A741D



2A62BF

# Square

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



2A741D



0078A7



854DA7



AA4624

# Rectangle

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



2A741D



007A6D



854DA7



B6325F



# Sweetspot

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



2A741D



799674



74671D



3A4D37



CCCCCC



4D4D4D



# Same Dimension

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



2A741D



23960F



1D743B



363B35



127A00



25FA00



# Inverse Universe

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



671D74



820F96



741D56



3A353B



68007A

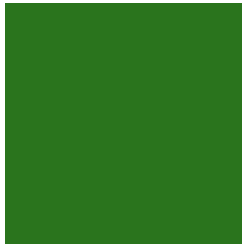


D500FA



# Previews

## White Background



This preview shows how the Hex color 2A741D looks on a white background.

### Color Contrast Check

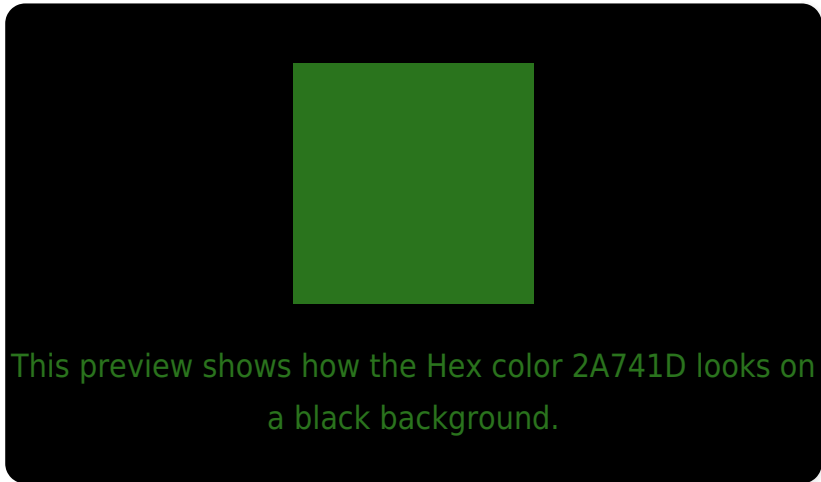
Large Text (above 18pt) WCAG AA ✓ Pass

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 2A741D Background



This preview shows how black text looks on a background with the Hex color 2A741D.



This preview shows how white text looks on a background with the Hex color 2A741D.

# 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**  
2A741D

**Protanopia**  
716519

**Deuteranopia**  
7E6025



**Tritanopia**  
3E6C75

# Trichromacy



**Original Color**  
2A741D

**Protanomaly**  
576A1A

**Deuteranomaly**  
5F6722

**Tritanomaly**  
376F55

# Monochromacy



**Original Color**  
2A741D

**Achromatopsia**  
545454

**Achromatomaly**  
456040

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A741D 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 #2A741D looks like.

```
.text, #text, p{  
    color:#2A741D  
}
```

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 #2A741D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A741D
}
```

## Border

The CSS property to change the border of an element to Hex 2A741D 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
#2A741D }
```

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

```
.border{ border-color:#2A741D }
```

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

Here you see how a box with a 4 pixel #2A741D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A741D; -webkit-box-shadow:4px 4px  
4px 4px #2A741D; box-shadow:4px 4px 4px  
4px #2A741D }
```

# Background

The CSS property to change the background color of an element to Hex 2A741D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A741D }
```

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

```
.background{ background-color:#2A741D }
```

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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