

# Converting Colors

Hex(2D4700)

Have a look what the booklet for  
Hex(2D4700) contains.

<b>Hex(2D4700)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(2D4700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D4700
RGB	45, 71, 0
RGB Percent	18%, 28%, 0%
CMY	0.8235, 0.7216, 1.0000
CMYK	0.37, 0.00, 1.00, 0.72
HSL	82°, 100%, 14%
HSV	82°, 100%, 28%
XYZ	3.3354, 5.0644, 0.8017
YIQ	55.1320, 7.2950, -27.5930

# Conversions

## Conversions Part 2

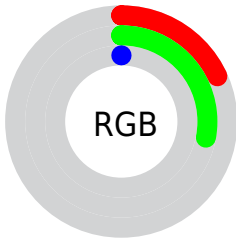
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 71, 26
Decimal	2967296
CIELab	26.92, -21.29, 34.94
CIELCh	27, 40.918, 121.356
Yxy	5.0644, 0.3625, 0.5504
Android (android.graphics.Color)	4281157376 (0xFF2D4700)
YUV	55.1320, -27.1801, -8.8858
Hunter-Lab	22.5041, -12.9261, 13.6407

# Details

The Hex color **2D4700** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **1A0047**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **5E7831**, and **001D00** is the 20% darker color. If you saturate the color by 10%, you get **2D4700**, and if you desaturate by 10%, it is **304707**.

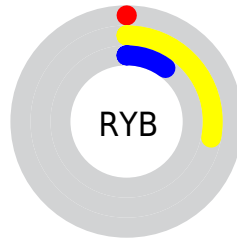
# Distribution



Red (18%)

Green (28%)

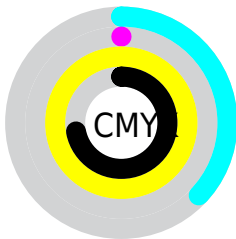
Blue (0%)



Red (0%)

Yellow (28%)

Blue (10%)

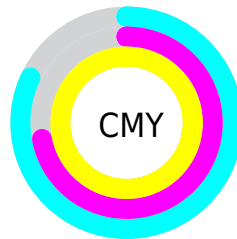


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (72%)



Cyan (82%)

Magenta (72%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D4700 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 2D4700 by changing the saturation by 10% instead.



 2D4700

 2D4700

 FFFFE9

 163000

 5E7831

 001D00

 78914A

 000000

 92AC62

 ADC77C

 C9E396

 E6FFB1

 FFFFCD

 2D4700

■ 304707

■ 32470E

■ 354715

■ 37471C

■ 3A4724

■ 3D472B

■ 3F4732

■ 424739

■ 444740

# Harmonies

## Analogous

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



4D3F00



2D4700



004C20

# Triad

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



2D4700



004A76



761D40

# Complementary

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



2D4700



1A0047

# 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.



66275E



2D4700



00437F

# Square

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



2D4700



004D5F



403775



742421

# Rectangle

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



2D4700



004D35



403775



721F4A



# Sweetspot

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



2D4700



525C40



471900



282E1D



ADADAD



2E2E2E



# Same Dimension

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



2D4700



3A5C00



0B4700



222420



3F6300



90E300



# Inverse Universe

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



1A0047



22005C



3C0047



212024



240063

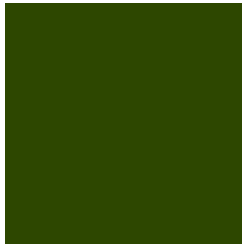


5300E3



# Previews

## White Background



This preview shows how the Hex color 2D4700 looks on a white background.

## Color Contrast Check

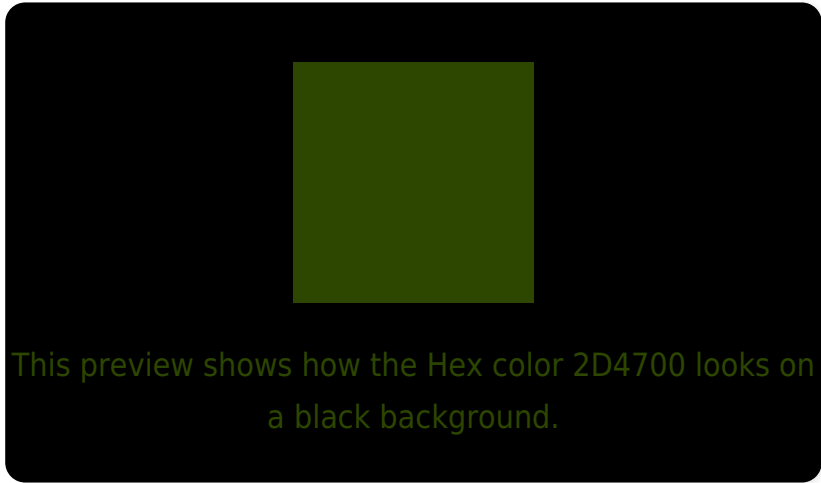
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

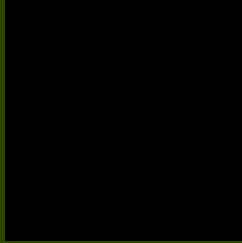
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D4700 Background



This preview shows how black text looks on a background with the Hex color 2D4700.



This preview shows how white text looks on a background with the Hex color 2D4700.

# 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**  
2D4700

**Protanopia**  
484000

**Deuteranopia**  
503C0E



**Tritanopia**  
354247

# Trichromacy



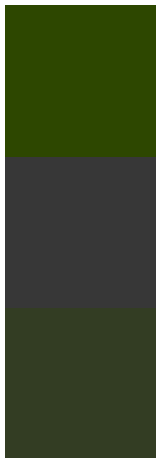
**Original Color**  
2D4700

**Protanomaly**  
3E4300

**Deuteranomaly**  
434009

**Tritanomaly**  
32442D

# Monochromacy



**Original Color**  
2D4700

**Achromatopsia**  
373737

**Achromatomaly**  
333D23

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D4700 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 #2D4700 looks like.

```
.text, #text, p{  
    color:#2D4700  
}
```

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 #2D4700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D4700
}
```

## Border

The CSS property to change the border of an element to Hex 2D4700 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
#2D4700 }
```

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

```
.border{ border-color:#2D4700 }
```

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

Here you see how a box with a 4 pixel #2D4700 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D4700; -webkit-box-shadow:4px 4px  
4px 4px #2D4700; box-shadow:4px 4px 4px  
4px #2D4700 }
```

# Background

The CSS property to change the background color of an element to Hex 2D4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D4700 }
```

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

```
.background{ background-color:#2D4700 }
```

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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