

# Converting Colors

Hex(2D8A00)

Have a look what the booklet for  
Hex(2D8A00) contains.

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**Color**

**Hex(2D8A00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D8A00
RGB	45, 138, 0
RGB Percent	18%, 54%, 0%
CMY	0.8235, 0.4588, 1.0000
CMYK	0.67, 0.00, 1.00, 0.46
HSL	100°, 100%, 27%
HSV	100°, 100%, 54%
XYZ	10.1707, 18.7348, 3.0801
YIQ	94.4610, -11.1300, -62.6340

# Conversions

## Conversions Part 2

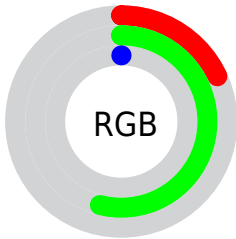
Format	Color
<b>RYB</b>	0, 138, 93
Decimal	2984448
CIELab	50.38, -48.72, 53.50
CIELCh	50, 72.362, 132.324
Yxy	18.7348, 0.3180, 0.5857
Android (android.graphics.Color)	4281174528 (0xFF2D8A00)
YUV	94.4610, -46.5693, -43.3773
Hunter-Lab	43.2838, -33.8033, 26.0795

# Details

The Hex color **2D8A00** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5D008A**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **69C042**, and **005700** is the 20% darker color. If you saturate the color by 10%, you get **2D8A00**, and if you desaturate by 10%, it is **368A0E**.

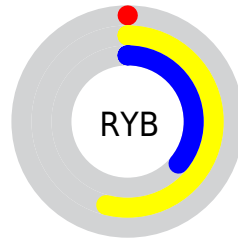
# Distribution



Red (18%)

Green (54%)

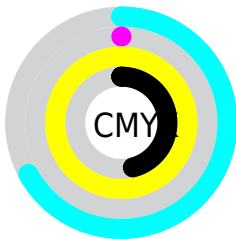
Blue (0%)



Red (0%)

Yellow (54%)

Blue (36%)

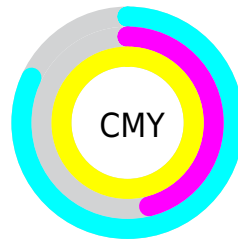


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (82%)

Magenta (46%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D8A00 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 2D8A00 by changing the saturation by 10% instead.



 2D8A00

 2D8A00

FFFFFF

 007000

 69C042

 005700

 85DD5D

 003E00

 A2FA78

 002900

 BFFF93

 000300

 DCFFAF

 000000

 FAFFCB

 FFFF8

 2D8A00

 368A0E

 408A1C

 498A29

 528A37

 5C8A45

 658A53

 6E8A61

 778A6E

 818A7C

# Harmonies

## Analogous

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



7A7D00



2D8A00



009050

# Triad

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



2D8A00



0089EE



E32961

# Complementary

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



2D8A00



5D008A

# 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.



D2359F



2D8A00



0077F2

# Square

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



2D8A00



0091CA



985AD4



D44826

# Rectangle

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



2D8A00



00927B



985AD4



E12776



# Sweetspot

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



2D8A00



8EB37D



8A5C00



445939



D9D9D9



595959



# Same Dimension

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



2D8A00



3AB300



008A17



40453E



2B8500



020500



# Inverse Universe

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



5D008A



7800B3



8A0073



433E45



590085



030005



# Previews

## White Background



This preview shows how the Hex color 2D8A00 looks on a white background.

## Color Contrast Check

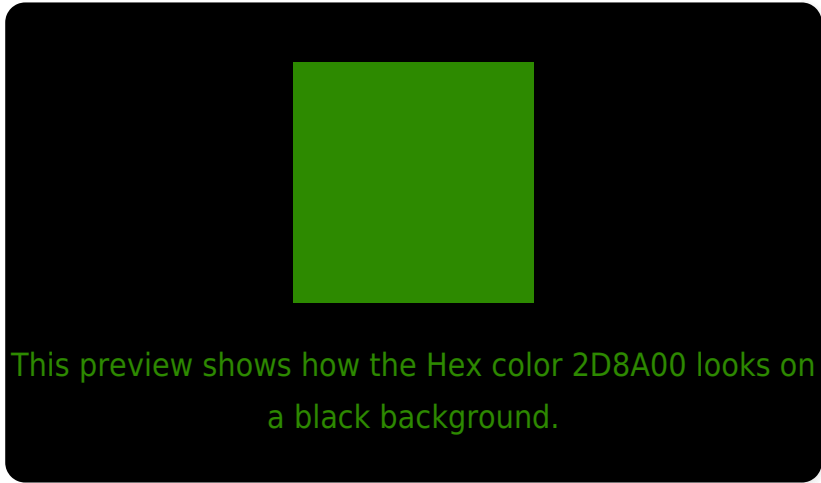
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

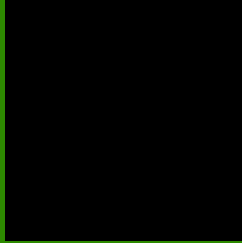
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2D8A00 Background



This preview shows how black text looks on a background with the Hex color 2D8A00.



This preview shows how white text looks on a background with the Hex color 2D8A00.

# 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**  
2D8A00

**Protanopia**  
877800

**Deuteranopia**  
96711D



**Tritanopia**  
47808B

# Trichromacy



**Original Color**  
2D8A00



**Protanomaly**  
667F00



**Deuteranomaly**  
707A12



**Tritanomaly**  
3E8458

# Monochromacy



**Original Color**  
2D8A00



**Achromatopsia**  
5E5E5E



**Achromatomaly**  
4C6E3C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D8A00 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 #2D8A00 looks like.

```
.text, #text, p{  
    color:#2D8A00  
}
```

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 #2D8A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D8A00
}
```

## Border

The CSS property to change the border of an element to Hex 2D8A00 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
#2D8A00 }
```

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

```
.border{ border-color:#2D8A00 }
```

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

Here you see how a box with a 4 pixel #2D8A00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D8A00; -webkit-box-shadow:4px 4px  
4px 4px #2D8A00; box-shadow:4px 4px 4px  
4px #2D8A00 }
```

# Background

The CSS property to change the background color of an element to Hex 2D8A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D8A00 }
```

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

```
.background{ background-color:#2D8A00 }
```

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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