

Converting Colors

Hex(2D7D28)

Have a look what the booklet for
Hex(2D7D28) contains.

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Color

Hex(2D7D28)

Conversions

Conversions Part 1

Format	Color
Hex	2D7D28
RGB	45, 125, 40
RGB Percent	18%, 49%, 16%
CMY	0.8235, 0.5098, 0.8431
CMYK	0.64, 0.00, 0.68, 0.51
HSL	116°, 52%, 32%
HSV	116°, 68%, 49%
XYZ	8.7988, 15.3783, 4.5121
YIQ	91.3900, -20.3950, -43.3950

Conversions

Conversions Part 2

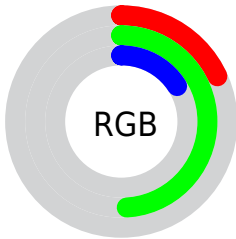
Format	Color
R_{YB}	40, 125, 120
Decimal	2981160
CIE _{Lab}	46.15, -41.69, 37.94
CIE _{LCh}	46, 56.374, 137.697
Yxy	15.3783, 0.3067, 0.5360
Android (android.graphics.Color)	4281171240 (0xFF2D7D28)
YUV	91.3900, -25.3353, -40.6840
Hunter-Lab	39.2152, -28.5761, 20.6288

Details

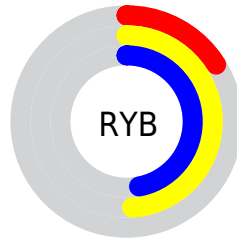
The Hex color **2D7D28** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **78287D**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **65B259**, and **004B00** is the 20% darker color. If you saturate the color by 10%, you get **217D1B**, and if you desaturate by 10%, it is **397D35**.

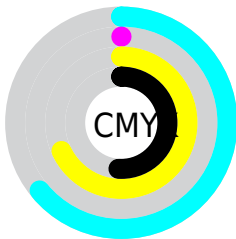
Distribution



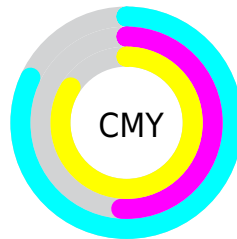
- Red (18%)
- Green (49%)
- Blue (16%)



- Red (16%)
- Yellow (49%)
- Blue (47%)



- Cyan (64%)
- Magenta (0%)
- Yellow (68%)
- Black (51%)



- Cyan (82%)
- Magenta (51%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D7D28 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 2D7D28 by changing the saturation by 10% instead.

 2D7D28

 2D7D28

FFFFFF

 07630E

 65B259

 004B00

 80CE73

 003300

 9CEB8D

 001E00

 B8FFA8

 000000

 D5FFC4

 F2FFE0

 FFFFFD

 2D7D28

 2D7D28

■ 217D1B

■ 397D35

■ 157D0F

■ 457D41

■ 0A7D03

■ 507D4E

■ 077D00

■ 5C7D5A

■ 687D67

■ 747D73

■ 7F7D80

■ 8B7D8C

■ 977D99

Harmonies

Analogous

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



697400



2D7D28



008258

Triad

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



2D7D28



0078CA



C13E54

Complementary

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



2D7D28



78287D

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.



B83F83



2D7D28



4069C8

Square

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



2D7D28



0080B3



9253AE



B35028

Rectangle

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



2D7D28



008379



9253AE



C13B63

Sweetspot

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



2D7D28



84A383



7D7728



3F523E



D1D1D1



525252

Same Dimension

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



2D7D28



25A31D



287D4D



3A4039



078000



000000

Inverse Universe

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



78287D



9B1DA3



7D2858



3F3940



780080



000000

Previews

White Background



This preview shows how the Hex color 2D7D28 looks on a white background.

Color Contrast Check

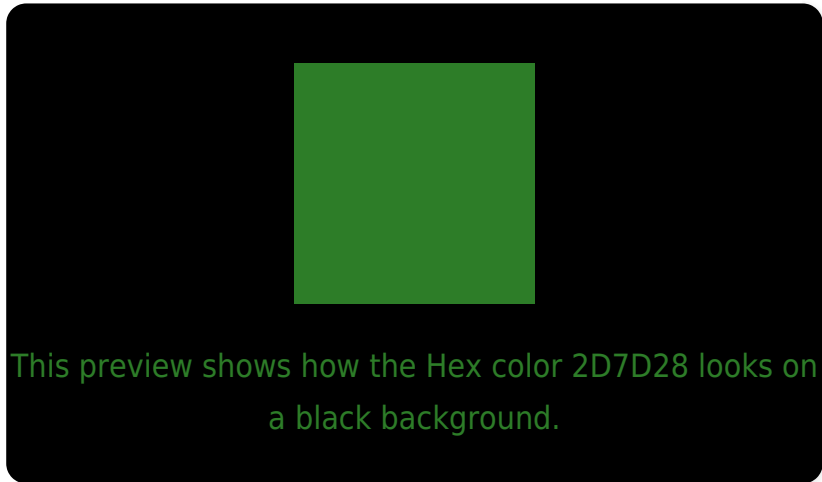
Large Text (above 18pt) WCAG AA ✓ Pass

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 2D7D28 Background



This preview shows how black text looks on a background with the Hex color 2D7D28.



This preview shows how white text looks on a background with the Hex color 2D7D28.

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
2D7D28

Protanopia
7A6D24

Deuteranopia
87672F



Tritanopia
42757E

Trichromacy



Original Color
2D7D28



Protanomaly
5E7325



Deuteranomaly
666F2C



Tritanomaly
3A785F

Monochromacy



Original Color
2D7D28



Achromatopsia
5B5B5B



Achromatomaly
4A6748

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D7D28 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 #2D7D28 looks like.

```
.text, #text, p{  
    color:#2D7D28  
}
```

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 #2D7D28 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D7D28
}
```

Border

The CSS property to change the border of an element to Hex 2D7D28 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
#2D7D28 }
```

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

```
.border{ border-color:#2D7D28 }
```

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

Here you see how a box with a 4 pixel #2D7D28 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D7D28; -webkit-box-shadow:4px 4px  
4px 4px #2D7D28; box-shadow:4px 4px 4px  
4px #2D7D28 }
```

Background

The CSS property to change the background color of an element to Hex 2D7D28 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D7D28 }
```

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

```
.background{ background-color:#2D7D28 }
```

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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