

# Converting Colors

Hex(2D7600)

Have a look what the booklet for  
Hex(2D7600) contains.

<b>Hex(2D7600)</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(2D7600)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D7600
RGB	45, 118, 0
RGB Percent	18%, 46%, 0%
CMY	0.8235, 0.5373, 1.0000
CMYK	0.62, 0.00, 1.00, 0.54
HSL	97°, 100%, 23%
HSV	97°, 100%, 46%
XYZ	7.5606, 13.5148, 2.2101
YIQ	82.7210, -5.6300, -52.1740

# Conversions

## Conversions Part 2

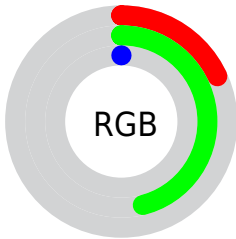
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 118, 73
Decimal	2979328
CIELab	43.53, -41.55, 48.08
CIELCh	44, 63.548, 130.837
Yxy	13.5148, 0.3247, 0.5804
Android (android.graphics.Color)	4281169408 (0xFF2D7600)
YUV	82.7210, -40.7815, -33.0813
Hunter-Lab	36.7624, -27.6236, 22.1692

# Details

The Hex color **2D7600** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **490076**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **65AB3D**, and **004400** is the 20% darker color. If you saturate the color by 10%, you get **2D7600**, and if you desaturate by 10%, it is **34760C**.

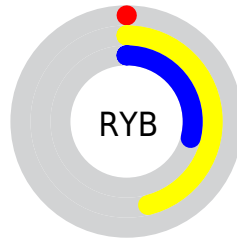
# Distribution



Red (18%)

Green (46%)

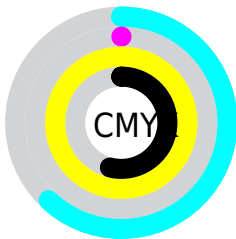
Blue (0%)



Red (0%)

Yellow (46%)

Blue (29%)

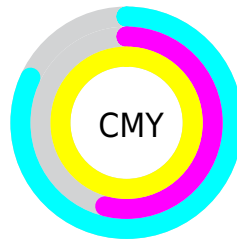


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (82%)

Magenta (54%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D7600 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 2D7600 by changing the saturation by 10% instead.



 2D7600

 2D7600

FFFFFFD

 075D00

 65AB3D

 004400

 81C757

 002E00

 9CE372

 001500

 B9FF8C

 000000

 D6FFA8

 F3FFC3

 FFFFEO


 2D7600

 34760C

 3C7618

 437623

 4A762F

 51763B

 597647

 607653

 67765E

 6F766A

# Harmonies

## Analogous

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



6C6B00



2D7600



007C42

# Triad

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



2D7600



0076CB



C22556

# Complementary

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



2D7600



490076

# 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.



B2318B



2D7600



0067D0

# Square

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



2D7600



007DAB



7F4FB7



B73D23

# Rectangle

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



2D7600



007D67



7F4FB7



C02468



# Sweetspot

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



2D7600



7D996B



764900



3B4D31



CCCCCC



4D4D4D



# Same Dimension

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



2D7600



3A9900



00760E



373B35



2F7A00



5FFA00



# Inverse Universe

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



490076



5F0099



760068



38353B



4C007A

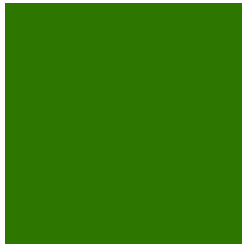


9B00FA



# Previews

## White Background



This preview shows how the Hex color 2D7600 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 2D7600 Background



This preview shows how black text looks on a background with the Hex color 2D7600.



This preview shows how white text looks on a background with the Hex color 2D7600.

# 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**  
2D7600

**Protanopia**  
746700

**Deuteranopia**  
816119



**Tritanopia**  
416E77

# Trichromacy



**Original Color**  
2D7600



**Protanomaly**  
5A6C00



**Deuteranomaly**  
626910



**Tritanomaly**  
3A714C

# Monochromacy



**Original Color**  
2D7600



**Achromatopsia**  
535353



**Achromatomaly**  
456035

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D7600 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 #2D7600 looks like.

```
.text, #text, p{  
    color:#2D7600  
}
```

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 #2D7600 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D7600
}
```

## Border

The CSS property to change the border of an element to Hex 2D7600 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".

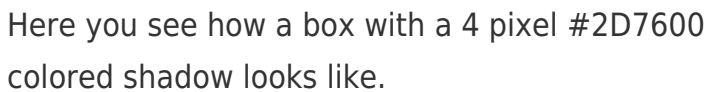
```
.border, #border, table{ border:4px solid
#2D7600 }
```

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

```
.border{ border-color:#2D7600 }
```

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

Here you see how a box with a 4 pixel #2D7600 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a solid green rectangle that is slightly offset from the bottom and right edges of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #2D7600 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D7600; -webkit-box-shadow:4px 4px  
4px 4px #2D7600; box-shadow:4px 4px 4px  
4px #2D7600 }
```

# Background

The CSS property to change the background color of an element to Hex 2D7600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D7600 }
```

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

```
.background{ background-color:#2D7600 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor