

# Converting Colors

Hex(2D6200)

Have a look what the booklet for  
Hex(2D6200) contains.

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**Color**

**Hex(2D6200)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D6200
RGB	45, 98, 0
RGB Percent	18%, 38%, 0%
CMY	0.8235, 0.6157, 1.0000
CMYK	0.54, 0.00, 1.00, 0.62
HSL	92°, 100%, 19%
HSV	92°, 100%, 38%
XYZ	5.4499, 9.2933, 1.5065
YIQ	70.9810, -0.1300, -41.7140

# Conversions

## Conversions Part 2

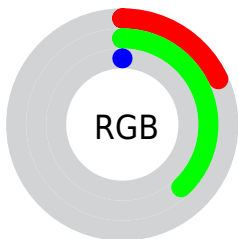
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 98, 53
Decimal	2974208
CIELab	36.54, -33.67, 42.58
CIELCh	37, 54.283, 128.339
Yxy	9.2933, 0.3354, 0.5719
Android (android.graphics.Color)	4281164288 (0xFF2D6200)
YUV	70.9810, -34.9936, -22.7853
Hunter-Lab	30.4848, -21.4375, 18.4093

# Details

The Hex color **2D6200** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **350062**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **629538**, and **003200** is the 20% darker color. If you saturate the color by 10%, you get **2D6200**, and if you desaturate by 10%, it is **32620A**.

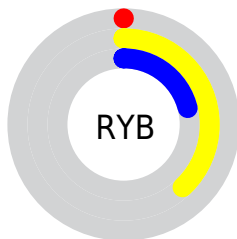
# Distribution



Red (18%)

Green (38%)

Blue (0%)



Red (0%)

Yellow (38%)

Blue (21%)

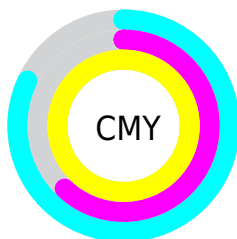


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (62%)



Cyan (82%)

Magenta (62%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D6200 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 2D6200 by changing the saturation by 10% instead.



 2D6200

 2D6200

 FFFFF5

 114A00

 629538

 003200

 7CB052

 001F00

 97CC6B

 000000

 B3E885

 CFFFA0

 ECFFBC

 FFFFD8

 2D6200

 32620A

 386214

 3D621D

 426227

 486231

 4D623B

 526245

 57624E

 5D6258

# Harmonies

## Analogous

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



5E5800



2D6200



006734

# Triad

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



2D6200



0063A7



A2214C

# Complementary

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



2D6200



350062

# 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.



922C77



2D6200



0058AD

# Square

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



2D6200



00688B



65449B



9A3222

# Rectangle

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



2D6200



006952



65449B



A0225A



# Sweetspot

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



2D6200



6B8059



623400



334029



BFBFBF



404040



# Same Dimension

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



2D6200



3B8000



006203



2E302C



347000



6EF000



# Inverse Universe

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



350062



450080



62005F



2E2C30



3D0070

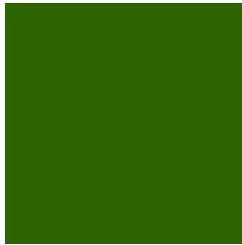


8200F0



# Previews

## White Background



This preview shows how the Hex color 2D6200 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

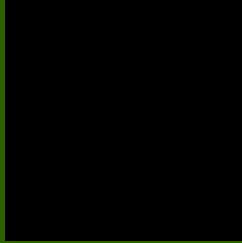
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D6200 Background



This preview shows how black text looks on a background with the Hex color 2D6200.



This preview shows how white text looks on a background with the Hex color 2D6200.

# 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**  
2D6200

**Protanopia**  
615600

**Deuteranopia**  
6C5114



**Tritanopia**  
3B5B62

# Trichromacy



**Original Color**  
2D6200

**Protanomaly**  
4E5A00

**Deuteranomaly**  
55570D

**Tritanomaly**  
365E3E

# Monochromacy



**Original Color**  
2D6200

**Achromatopsia**  
474747

**Achromatomaly**  
3E512D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D6200 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 #2D6200 looks like.

```
.text, #text, p{  
    color:#2D6200  
}
```

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 #2D6200 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D6200
}
```

## Border

The CSS property to change the border of an element to Hex 2D6200 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
#2D6200 }
```

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

```
.border{ border-color:#2D6200 }
```

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

Here you see how a box with a 4 pixel #2D6200 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D6200; -webkit-box-shadow:4px 4px  
4px 4px #2D6200; box-shadow:4px 4px 4px  
4px #2D6200 }
```

# Background

The CSS property to change the background color of an element to Hex 2D6200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D6200 }
```

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

```
.background{ background-color:#2D6200 }
```

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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