

# Converting Colors

Hex(2D5730)

Have a look what the booklet for  
Hex(2D5730) contains.

<b>Hex(2D5730)</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(2D5730)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D5730
RGB	45, 87, 48
RGB Percent	18%, 34%, 19%
CMY	0.8235, 0.6588, 0.8118
CMYK	0.48, 0.00, 0.45, 0.66
HSL	124°, 32%, 26%
HSV	124°, 48%, 34%
XYZ	5.0239, 7.5877, 3.9961
YIQ	69.9960, -12.5130, -21.0330

# Conversions

## Conversions Part 2

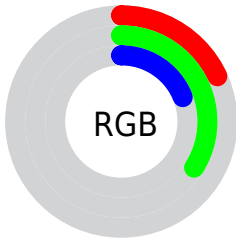
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 84, 87
Decimal	2971440
CIELab	33.11, -24.03, 18.21
CIElCh	33, 30.149, 142.852
Yxy	7.5877, 0.3025, 0.4569
Android (android.graphics.Color)	4281161520 (0xFF2D5730)
YUV	69.9960, -10.8440, -21.9215
Hunter-Lab	27.5457, -15.6496, 10.6808

# Details

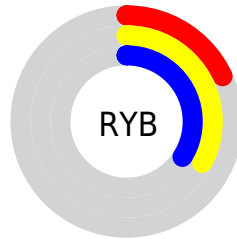
The Hex color **2D5730** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **572D54**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **5E895F**, and **002902** is the 20% darker color. If you saturate the color by 10%, you get **245728**, and if you desaturate by 10%, it is **365738**.

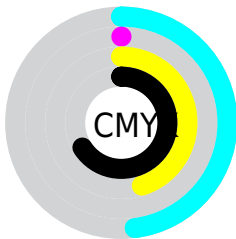
# Distribution



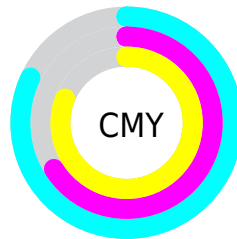
- Red (18%)
- Green (34%)
- Blue (19%)



- Red (18%)
- Yellow (33%)
- Blue (34%)



- Cyan (48%)
- Magenta (0%)
- Yellow (45%)
- Black (66%)



- Cyan (82%)
- Magenta (66%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D5730 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 2D5730 by changing the saturation by 10% instead.



 2D5730

 2D5730

FFFFFF

 153F1A

 5E895F

 002902

 77A478

 001300

 91BF91

 000000

 ACDBAC

 C8F7C7

 E4FFE3

 2D5730

 2D5730

 245728

 365738

■ 1C5720

■ 3E5740

■ 135718

■ 475748

■ 0A5710

■ 505750

■ 015708

■ 595758

■ 005706

■ 615760

■ 6A5769

■ 735771

■ 7B5779

# Harmonies

## Analogous

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



4A5220



2D5730



005A47

# Triad

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



2D5730



09527D



7A3B3D

# Complementary

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



2D5730



572D54

# 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.



773A55



2D5730



464A7A

# Square

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



2D5730



005773



66406B



724229

# Rectangle

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



2D5730



005A58



66406B



7B3A44



# Sweetspot

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



2D5730



607062



54572D



2F382F



B8B8B8



383838



# Same Dimension

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



2D5730



2F7034



2D5745



272B27



006B08



00EB11



# Inverse Universe

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



572D54



702F6C



572D3F



2B272B



6B0063

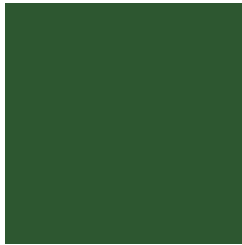


EB00DA



# Previews

## White Background



This preview shows how the Hex color 2D5730 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

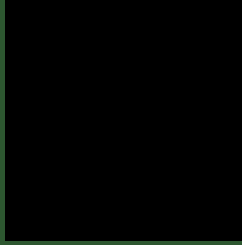
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D5730 Background



This preview shows how black text looks on a background with the Hex color 2D5730.



This preview shows how white text looks on a background with the Hex color 2D5730.

# 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**  
2D5730

**Protanopia**  
554E2D

**Deuteranopia**  
5D4A33



**Tritanopia**  
365259

# Trichromacy



**Original Color**  
2D5730

**Protanomaly**  
46512E

**Deuteranomaly**  
4C4F32

**Tritanomaly**  
33544A

# Monochromacy



**Original Color**  
2D5730

**Achromatopsia**  
464646

**Achromatomaly**  
3D4C3E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D5730 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 #2D5730 looks like.

```
.text, #text, p{  
    color:#2D5730  
}
```

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 #2D5730 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D5730
}
```

## Border

The CSS property to change the border of an element to Hex 2D5730 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
#2D5730 }
```

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

```
.border{ border-color:#2D5730 }
```

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

Here you see how a box with a 4 pixel #2D5730 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D5730; -webkit-box-shadow:4px 4px  
4px 4px #2D5730; box-shadow:4px 4px 4px  
4px #2D5730 }
```

# Background

The CSS property to change the background color of an element to Hex 2D5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D5730 }
```

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

```
.background{ background-color:#2D5730 }
```

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