

# Converting Colors

Hex(2D942D)

Have a look what the booklet for  
Hex(2D942D) contains.

<b>Hex(2D942D)</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(2D942D)

# Conversions

## Conversions Part 1

Format	Color
Hex	2D942D
RGB	45, 148, 45
RGB Percent	18%, 58%, 18%
CMY	0.8235, 0.4196, 0.8235
CMYK	0.70, 0.00, 0.70, 0.42
HSL	120°, 53%, 38%
HSV	120°, 70%, 58%
XYZ	12.1457, 21.9272, 6.0748
YIQ	105.4610, -28.3250, -53.8690

# Conversions

## Conversions Part 2

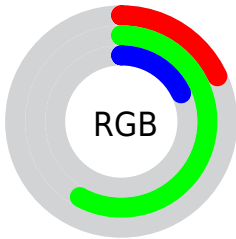
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 148, 148
Decimal	2987053
CIELab	53.95, -49.66, 44.18
CIELCh	54, 66.470, 138.344
Yxy	21.9272, 0.3025, 0.5462
Android (android.graphics.Color)	4281177133 (0xFF2D942D)
YUV	105.4610, -29.8073, -53.0243
Hunter-Lab	46.8264, -35.6473, 25.0868

# Details

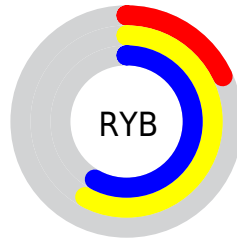
The Hex color **2D942D** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **942D94**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **69CB60**, and **006000** is the 20% darker color. If you saturate the color by 10%, you get **1E941E**, and if you desaturate by 10%, it is **3C943C**.

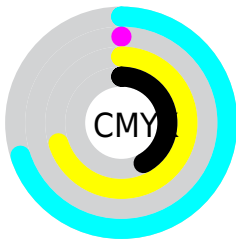
# Distribution



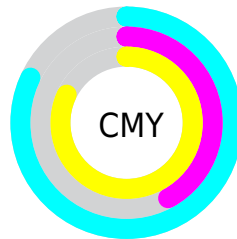
- Red (18%)
- Green (58%)
- Blue (18%)



- Red (18%)
- Yellow (58%)
- Blue (18%)



- Cyan (70%)
- Magenta (0%)
- Yellow (70%)
- Black (42%)



- Cyan (82%)
- Magenta (42%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D942D 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 2D942D by changing the saturation by 10% instead.



 2D942D

 2D942D

FFFFFF

 007A11

 69CB60

 006000

 86E87A

 004700

 A3FF95

 003000

 BFFF80

 001600

 DDFECC

 000000

 FBFEE9

 2D942D

 2D942D

 1E941E

 3C943C

■ 0F940F

■ 4B944B

■ 019401

■ 599459

■ 009400

■ 689468

■ 779477

■ 869486

■ 959495

■ A394A3

■ B294B2

# Harmonies

## Analogous

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



7A8900



2D942D



009A68

# Triad

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



2D942D



008EF2



E64561

# Complementary

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



2D942D



942D94

# 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.



DC469A



2D942D



4A7BEF

# Square

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



2D942D



0098D6



AF60CE



D45D2B

# Rectangle

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



2D942D



009B90



AF60CE



E64273



# Sweetspot

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



2D942D



97BF97



94942D



496149



E0E0E0



616161



# Same Dimension

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



2D942D



1FBF1F



2D9461



434A43



008A00



000A00



# Inverse Universe

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



942D94



BF1FBF



942D61



4A434A



8A008A



0A000A



# Previews

## White Background



This preview shows how the Hex color 2D942D looks on a white background.

## Color Contrast Check

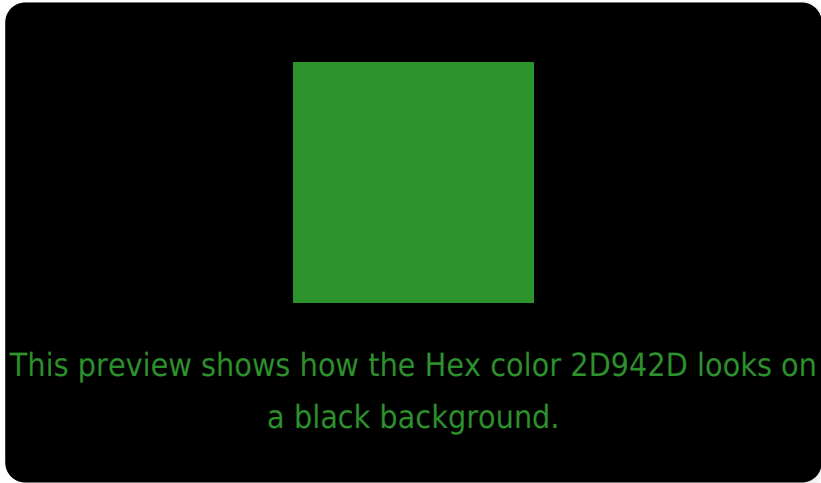
Large Text (above 18pt) WCAG AA ✓ Pass

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 2D942D Background



This preview shows how black text looks on a background with the Hex color 2D942D.



This preview shows how white text looks on a background with the Hex color 2D942D.

# 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**  
2D942D

**Protanopia**  
908028

**Deuteranopia**  
9F7A36



**Tritanopia**  
498A95

# Trichromacy



**Original Color**  
2D942D



**Protanomaly**  
6C872A



**Deuteranomaly**  
768333



**Tritanomaly**  
3F8E6F

# Monochromacy



**Original Color**  
2D942D



**Achromatopsia**  
696969



**Achromatomaly**  
537953

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D942D 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 #2D942D looks like.

```
.text, #text, p{  
    color:#2D942D  
}
```

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 #2D942D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D942D
}
```

## Border

The CSS property to change the border of an element to Hex 2D942D 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
#2D942D }
```

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

```
.border{ border-color:#2D942D }
```

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

Here you see how a box with a 4 pixel #2D942D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D942D; -webkit-box-shadow:4px 4px  
4px 4px #2D942D; box-shadow:4px 4px 4px  
4px #2D942D }
```

# Background

The CSS property to change the background color of an element to Hex 2D942D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D942D }
```

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

```
.background{ background-color:#2D942D }
```

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