

# Converting Colors

Hex(2D522A)

Have a look what the booklet for  
Hex(2D522A) contains.

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# Color

**Hex(2D522A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D522A
RGB	45, 82, 42
RGB Percent	18%, 32%, 16%
CMY	0.8235, 0.6784, 0.8353
CMYK	0.45, 0.00, 0.49, 0.68
HSL	115°, 32%, 24%
HSV	115°, 49%, 32%
XYZ	4.5174, 6.7596, 3.2571
YIQ	66.3770, -9.2120, -20.2840

# Conversions

## Conversions Part 2

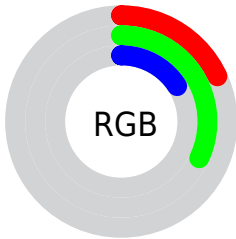
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 82, 79
Decimal	2970154
CIELab	31.25, -22.56, 19.39
CIElCh	31, 29.748, 139.332
Yxy	6.7596, 0.3108, 0.4651
Android (android.graphics.Color)	4281160234 (0xFF2D522A)
YUV	66.3770, -12.0179, -18.7476
Hunter-Lab	25.9993, -14.4843, 10.7718

# Details

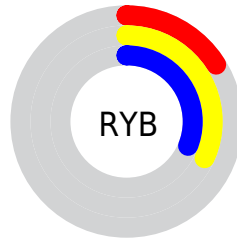
The Hex color **2D522A** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4F2A52**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **5D8458**, and **022500** is the 20% darker color. If you saturate the color by 10%, you get **255222**, and if you desaturate by 10%, it is **355232**.

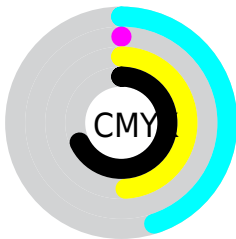
# Distribution



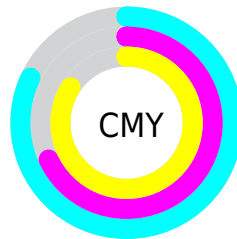
- Red (18%)
- Green (32%)
- Blue (16%)



- Red (16%)
- Yellow (32%)
- Blue (31%)



- Cyan (45%)
- Magenta (0%)
- Yellow (49%)
- Black (68%)



- Cyan (82%)
- Magenta (68%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D522A 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 2D522A by changing the saturation by 10% instead.



 2D522A

 2D522A

FFFFFF

 153B15

 5D8458

 022500

 779E71

 000900

 91B98A

 000000

 ACD5A5

 C7F1C0

 E3FFDC

 FFFFF9

 2D522A

 2D522A

■ 255222

■ 355232

■ 1E521A

■ 3C523A

■ 165211

■ 445243

■ 0F5209

■ 4B524B

■ 075201

■ 535253

■ 065200

■ 5B525B

■ 625263

■ 6A526C

■ 715274

# Harmonies

## Analogous

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



484D1B



2D522A



005540

# Triad

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



2D522A



004E77



75363B

# Complementary

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



2D522A



4F2A52

# 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.



703653



2D522A



3D4775

# Square

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



2D522A



00536C



5E3D68



6E3D27

# Rectangle

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



2D522A



005550



5E3D68



753543



# Sweetspot

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



2D522A



5C6B5B



524F2A



2D362C



B5B5B5



363636



# Same Dimension

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



2D522A



316B2C



2A523B



252925



086900



11E800



# Inverse Universe

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



4F2A52



662C6B



522A41



282529



610069

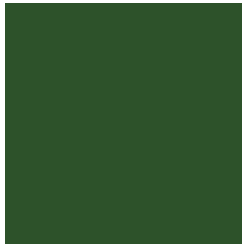


D700E8



# Previews

## White Background



This preview shows how the Hex color 2D522A 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

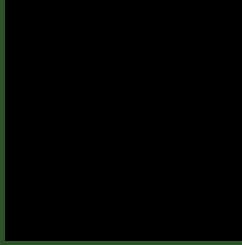
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D522A Background



This preview shows how black text looks on a background with the Hex color 2D522A.



This preview shows how white text looks on a background with the Hex color 2D522A.

# 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**  
2D522A

**Protanopia**  
514927

**Deuteranopia**  
59462D



**Tritanopia**  
354D54

# Trichromacy



**Original Color**  
2D522A

**Protanomaly**  
444C28

**Deuteranomaly**  
494A2C

**Tritanomaly**  
324F45

# Monochromacy



**Original Color**  
2D522A

**Achromatopsia**  
424242

**Achromatomaly**  
3A4839

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D522A 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 #2D522A looks like.

```
.text, #text, p{  
    color:#2D522A  
}
```

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 #2D522A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D522A
}
```

## Border

The CSS property to change the border of an element to Hex 2D522A 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
#2D522A }
```

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

```
.border{ border-color:#2D522A }
```

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

Here you see how a box with a 4 pixel #2D522A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D522A; -webkit-box-shadow:4px 4px  
4px 4px #2D522A; box-shadow:4px 4px 4px  
4px #2D522A }
```

# Background

The CSS property to change the background color of an element to Hex 2D522A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D522A }
```

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

```
.background{ background-color:#2D522A }
```

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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