

# Converting Colors

Hex(2D663B)

Have a look what the booklet for  
Hex(2D663B) contains.

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# Color

Hex(2D663B)

# Conversions

## Conversions Part 1

Format	Color
Hex	2D663B
RGB	45, 102, 59
RGB Percent	18%, 40%, 23%
CMY	0.8235, 0.6000, 0.7686
CMYK	0.56, 0.00, 0.42, 0.60
HSL	135°, 39%, 29%
HSV	135°, 56%, 40%
XYZ	6.6230, 10.3764, 5.7915
YIQ	80.0550, -20.1690, -25.4570

# Conversions

## Conversions Part 2

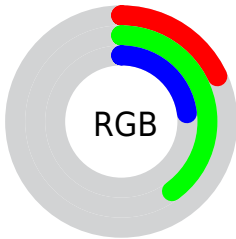
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 91, 102
Decimal	2975291
CIE <sub>Lab</sub>	38.51, -29.20, 18.77
CIE <sub>LCh</sub>	39, 34.715, 147.275
Yxy	10.3764, 0.2906, 0.4553
Android (android.graphics.Color)	4281165371 (0xFF2D663B)
YUV	80.0550, -10.3801, -30.7432
Hunter-Lab	32.2124, -19.6716, 11.8890

# Details

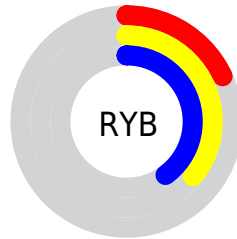
The Hex color **2D663B** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **662D58**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **609A6B**, and **003610** is the 20% darker color. If you saturate the color by 10%, you get **236633**, and if you desaturate by 10%, it is **376643**.

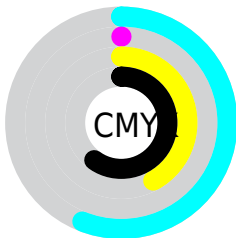
# Distribution



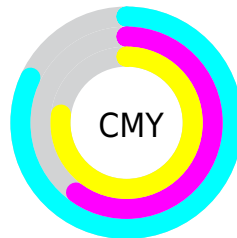
- Red (18%)
- Green (40%)
- Blue (23%)



- Red (18%)
- Yellow (36%)
- Blue (40%)



- Cyan (56%)
- Magenta (0%)
- Yellow (42%)
- Black (60%)



- Cyan (82%)
- Magenta (60%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D663B 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 2D663B by changing the saturation by 10% instead.



 2D663B

 2D663B


FFFFFF

 124E25

 609A6B

 003610

 7AB584

 002200

 94D09E

 000000

 B0EDB9

 CCFFD5

 E8FFF2

 2D663B

 2D663B

 236633

 376643

■ 19662C

■ 41664A

■ 0E6624

■ 4C6652

■ 04661C

■ 56665A

■ 006619

■ 606661

■ 6A6669

■ 746671

■ 7F6679

■ 896680

# Harmonies

## Analogous

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



516126



2D663B



006957

# Triad

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



2D663B



185E93



8E4542

# Complementary

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



2D663B



662D58

# 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.



8C425E



2D663B



58548D

# Square

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



2D663B



006589



7B4979



824E2C

# Rectangle

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



2D663B



00696A



7B4979



8F434B



# Sweetspot

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



2D663B



6E8574



59662D



354238



C2C2C2



424242



# Same Dimension

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



2D663B



2C8542



2D6657



2E332F



00731C



00F23B



# Inverse Universe

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



662D58



852C6F



662D3C



332E32



730057

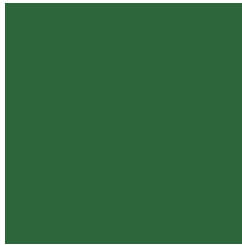


F200B7



# Previews

## White Background



This preview shows how the Hex color 2D663B looks on a white background.

## Color Contrast Check

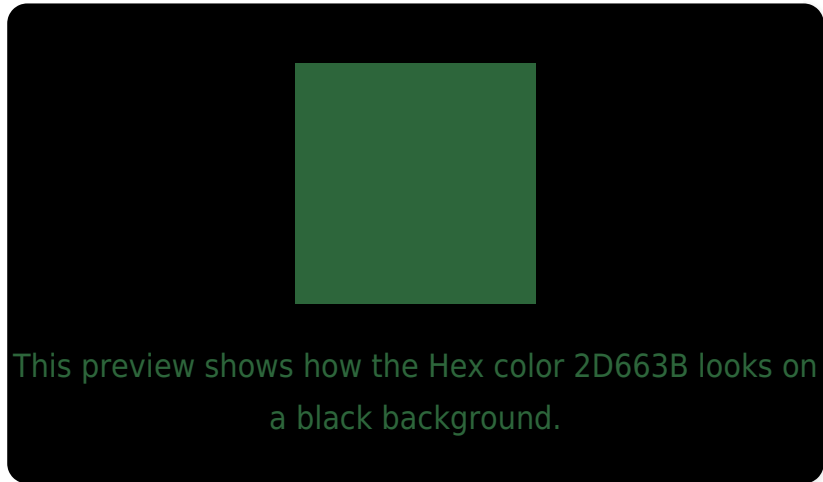
Large Text (above 18pt) WCAG AA ✓ Pass

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

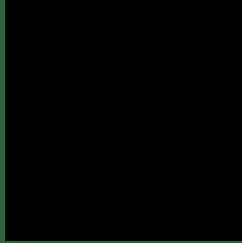
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D663B Background



This preview shows how black text looks on a background with the Hex color 2D663B.



This preview shows how white text looks on a background with the Hex color 2D663B.

# 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**  
2D663B

**Protanopia**  
635A36

**Deuteranopia**  
6C563F



**Tritanopia**  
396168

# Trichromacy



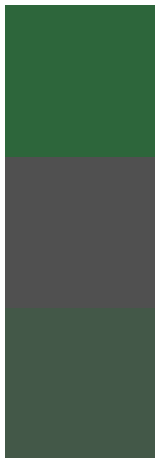
**Original Color**  
2D663B

**Protanomaly**  
4F5E38

**Deuteranomaly**  
555C3E

**Tritanomaly**  
356358

# Monochromacy



**Original Color**  
2D663B

**Achromatopsia**  
505050

**Achromatomaly**  
435848

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D663B 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 #2D663B looks like.

```
.text, #text, p{  
    color:#2D663B  
}
```

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 #2D663B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D663B
}
```

## Border

The CSS property to change the border of an element to Hex 2D663B 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
#2D663B }
```

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

```
.border{ border-color:#2D663B }
```

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

Here you see how a box with a 4 pixel #2D663B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D663B; -webkit-box-shadow:4px 4px  
4px 4px #2D663B; box-shadow:4px 4px 4px  
4px #2D663B }
```

# Background

The CSS property to change the background color of an element to Hex 2D663B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D663B }
```

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

```
.background{ background-color:#2D663B }
```

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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