

# Converting Colors

Hex(612D33)

Have a look what the booklet for  
Hex(612D33) contains.

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# Color

**Hex(612D33)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	612D33
RGB	97, 45, 51
RGB Percent	38%, 18%, 20%
CMY	0.6196, 0.8235, 0.8000
CMYK	0.00, 0.54, 0.47, 0.62
HSL	353°, 37%, 28%
HSV	353°, 54%, 38%
XYZ	6.4657, 4.6572, 3.6901
YIQ	61.2320, 29.0660, 12.8900

# Conversions

## Conversions Part 2

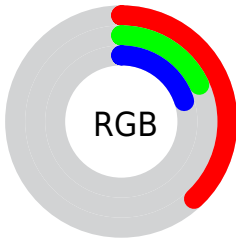
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	97, 45, 51
Decimal	6368563
CIE <sub>Lab</sub>	25.73, 24.22, 7.23
CIE <sub>LCh</sub>	26, 25.275, 16.631
Yxy	4.6572, 0.4365, 0.3144
Android (android.graphics.Color)	4284558643 (0xFF612D33)
YUV	61.2320, -5.0444, 31.3685
Hunter-Lab	21.5805, 15.7142, 4.9682

# Details

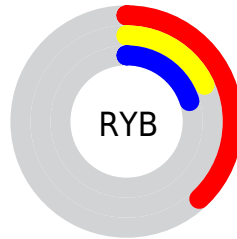
The Hex color **612D33** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **2D615B**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **965C61**, and **300004** is the 20% darker color. If you saturate the color by 10%, you get **61232A**, and if you desaturate by 10%, it is **61373C**.

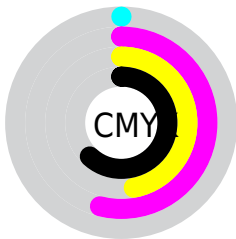
# Distribution



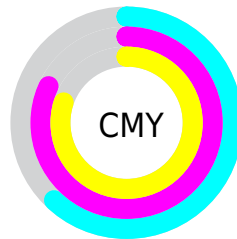
- Red (38%)
- Green (18%)
- Blue (20%)



- Red (38%)
- Yellow (18%)
- Blue (20%)



- Cyan (0%)
- Magenta (54%)
- Yellow (47%)
- Black (62%)



- Cyan (62%)
- Magenta (82%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 612D33 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 612D33 by changing the saturation by 10% instead.



 612D33

 612D33

FFFFFF

 48161E

 965C61

 300004

 B2757A

 0F0000

 CE8F94

 000000

 EBAAAE

 FFC6CA

 FFE2E6

 612D33

 612D33

 61232A

 61373C

■ 611A22

■ 614044

■ 611019

■ 614A4D

■ 610611

■ 615455

■ 61000B

■ 615E5E

■ 616766

■ 61716F

■ 617B78

■ 618480

# Harmonies

## Analogous

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



5C2E46



612D33



5C3222

# Triad

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



612D33



284422



004162

# Complementary

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



612D33



2D615B

# 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.



004558



612D33



044633

# Square

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



612D33



3E3F17



004747



303B62

# Rectangle

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



612D33



54371A



004747



004360



# Sweetspot

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



612D33



7D696B



5B2D61



403435



BFBFBF



404040



# Same Dimension

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



612D33



7D2D36



61412D



302C2C



70000D



F0001C



# Inverse Universe

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



612D33



7D2D36



2D4D61



302C2C



7000D

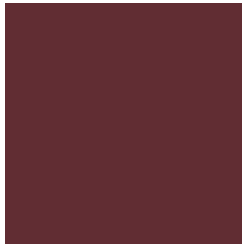


F0001C



# Previews

## White Background



This preview shows how the Hex color 612D33 looks on a white background.

## Color Contrast Check

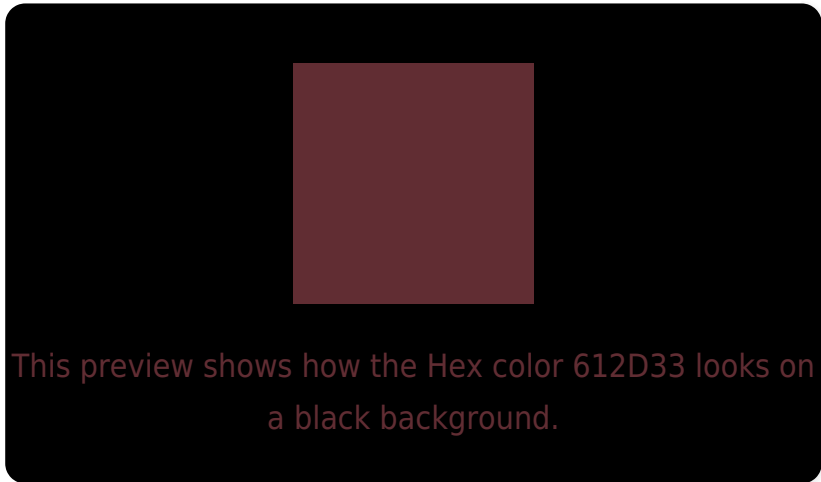
Large Text (above 18pt) WCAG AA ✓ Pass

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

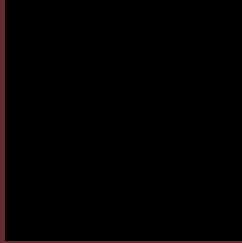
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 612D33 Background



This preview shows how black text looks on a background with the Hex color 612D33.

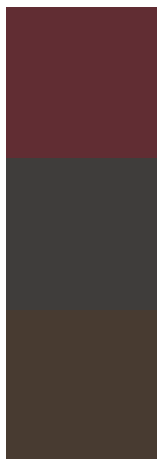


This preview shows how white text looks on a background with the Hex color 612D33.

# 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**  
612D33

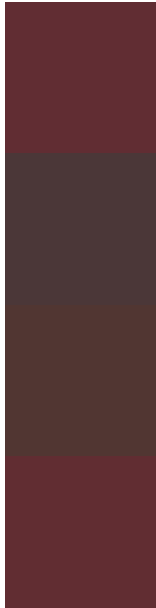
**Protanopia**  
3F3D3B

**Deuteranopia**  
483B31



**Tritanopia**  
612D31

# Trichromacy



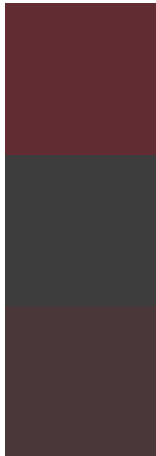
**Original Color**  
612D33

**Protanomaly**  
4B3738

**Deuteranomaly**  
513632

**Tritanomaly**  
612D32

# Monochromacy



**Original Color**  
612D33

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
4A3739

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 612D33 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 #612D33 looks like.

```
.text, #text, p{  
    color:#612D33  
}
```

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 #612D33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #612D33
}
```

## Border

The CSS property to change the border of an element to Hex 612D33 is called "border". The border property can be set on classes, ids or directly on the HTML element.

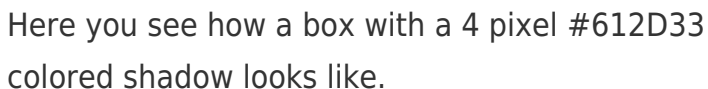
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#612D33 }
```

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

```
.border{ border-color:#612D33 }
```

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



Here you see how a box with a 4 pixel #612D33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #612D33; -webkit-box-shadow:4px 4px  
4px 4px #612D33; box-shadow:4px 4px 4px  
4px #612D33 }
```

# Background

The CSS property to change the background color of an element to Hex 612D33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#612D33 }
```

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

```
.background{ background-color:#612D33 }
```

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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