

# Converting Colors

Hex(245D57)

Have a look what the booklet for  
Hex(245D57) contains.

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# Color

**Hex(245D57)**

# Conversions

## Conversions Part 1

Format	Color
Hex	245D57
RGB	36, 93, 87
RGB Percent	14%, 36%, 34%
CMY	0.8588, 0.6353, 0.6588
CMYK	0.61, 0.00, 0.06, 0.64
HSL	174°, 44%, 25%
HSV	174°, 61%, 36%
XYZ	6.3622, 8.8919, 10.3978
YIQ	75.2730, -32.0460, -13.9500

# Conversions

## Conversions Part 2

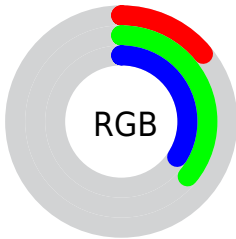
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 66, 93
Decimal	2383191
CIE <sub>Lab</sub>	35.78, -20.16, -2.15
CIE <sub>LCh</sub>	36, 20.269, 186.085
Yxy	8.8919, 0.2480, 0.3466
Android (android.graphics.Color)	4280573271 (0xFF245D57)
YUV	75.2730, 5.7814, -34.4424
Hunter-Lab	29.8193, -14.0992, 0.1994

# Details

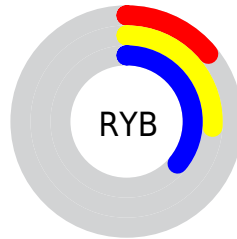
The Hex color **245D57** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5D242A**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **589089**, and **002E2A** is the 20% darker color. If you saturate the color by 10%, you get **1B5D56**, and if you desaturate by 10%, it is **2D5D58**.

# Distribution



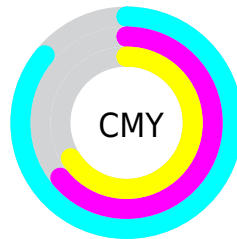
- Red (14%)
- Green (36%)
- Blue (34%)



- Red (14%)
- Yellow (26%)
- Blue (36%)



- Cyan (61%)
- Magenta (0%)
- Yellow (6%)
- Black (64%)



- Cyan (86%)
- Magenta (64%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 245D57 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 245D57 by changing the saturation by 10% instead.



■ 245D57

■ 245D57

FFFFFF

■ 044540

■ 589089

■ 002E2A

■ 72AAA3

■ 001B15

■ 8CC6BE

■ 000000

■ A7E2DA

■ C3FEF6

■ E0FFFF

■ F0FFFF

■ 245D57

■ 245D57

■ 1B5D56

■ 2D5D58

■ 115D55

■ 375D59

■ 085D54

■ 405D5A

■ 005D53

■ 495D5B

■ 525D5C

■ 5C5D5D

■ 655D5E

■ 6E5D5F

■ 785D60

# Harmonies

## Analogous

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



375C46



245D57



1B5C67

# Triad

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



245D57



5B4F6E



6A4F37

# Complementary

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



245D57



5D242A

# 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.



734A42



245D57



6B4A62

# Square

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



245D57



435574



744851



5C5434

# Rectangle

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



245D57



235B6F



744851



6E4D3A



# Sweetspot

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



245D57



627876



2B5D24



303D3C



BDBDBD



3D3D3D



# Same Dimension

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



245D57



1F786F



24475D



292E2D



006E62



00EDD4



# Inverse Universe

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



5D242A



781F28



5D3A24



2E292A



6E000C



ED0019



# Previews

## White Background



This preview shows how the Hex color 245D57 looks on a white background.

## Color Contrast Check

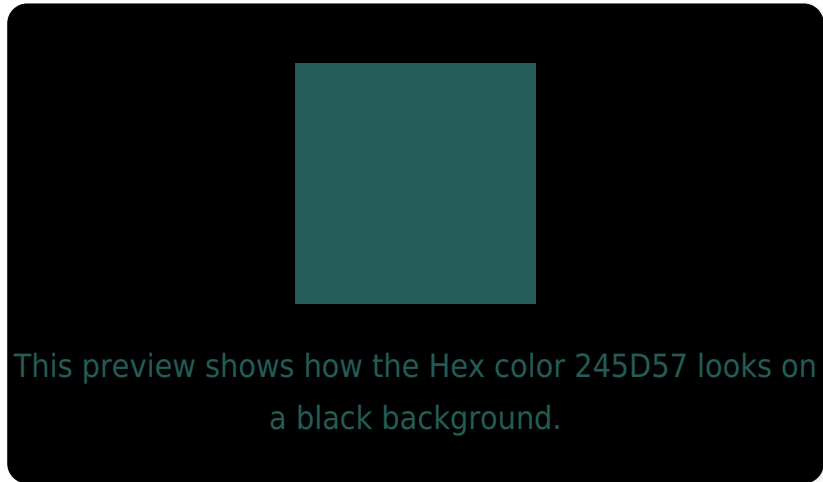
Large Text (above 18pt) WCAG AA ✓ Pass

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

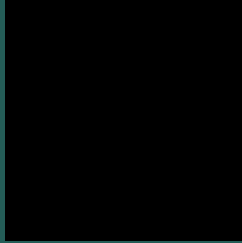
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 245D57 Background



This preview shows how black text looks on a background with the Hex color 245D57.



This preview shows how white text looks on a background with the Hex color 245D57.

# 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**  
245D57

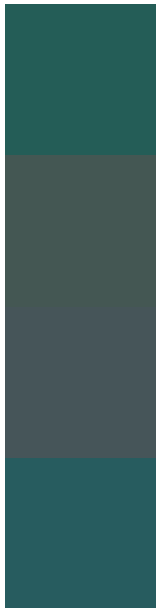
**Protanopia**  
565351

**Deuteranopia**  
59515A



**Tritanopia**  
295B63

# Trichromacy



**Original Color**  
245D57

**Protanomaly**  
445753

**Deuteranomaly**  
465559

**Tritanomaly**  
275C5F

# Monochromacy



**Original Color**  
245D57

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
3D524F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 245D57 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 #245D57 looks like.

```
.text, #text, p{  
    color:#245D57  
}
```

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 #245D57 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #245D57
}
```

## Border

The CSS property to change the border of an element to Hex 245D57 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
#245D57 }
```

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

```
.border{ border-color:#245D57 }
```

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

Here you see how a box with a 4 pixel #245D57 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #245D57; -webkit-box-shadow:4px 4px  
4px 4px #245D57; box-shadow:4px 4px 4px  
4px #245D57 }
```

# Background

The CSS property to change the background color of an element to Hex 245D57 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#245D57 }
```

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

```
.background{ background-color:#245D57 }
```

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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