

# Converting Colors

Hex(245B57)

Have a look what the booklet for  
Hex(245B57) contains.

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# Color

Hex(245B57)

# Conversions

## Conversions Part 1

Format	Color
Hex	245B57
RGB	36, 91, 87
RGB Percent	14%, 36%, 34%
CMY	0.8588, 0.6431, 0.6588
CMYK	0.60, 0.00, 0.04, 0.64
HSL	176°, 43%, 25%
HSV	176°, 60%, 36%
XYZ	6.1889, 8.5454, 10.3401
YIQ	74.0990, -31.4960, -12.9040

# Conversions

## Conversions Part 2

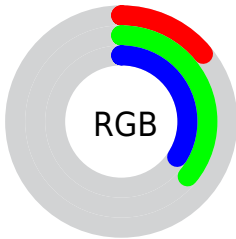
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 65, 91
Decimal	2382679
CIE <sub>Lab</sub>	35.09, -19.08, -3.15
CIE <sub>LCh</sub>	35, 19.337, 189.388
Yxy	8.5454, 0.2468, 0.3408
Android (android.graphics.Color)	4280572759 (0xFF245B57)
YUV	74.0990, 6.3602, -33.4128
Hunter-Lab	29.2324, -13.3657, -0.5092

# Details

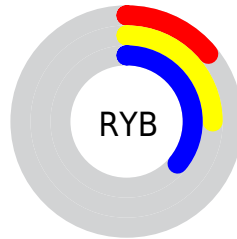
The Hex color **245B57** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5B2428**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **578D89**, and **002D2A** is the 20% darker color. If you saturate the color by 10%, you get **1B5B56**, and if you desaturate by 10%, it is **2D5B58**.

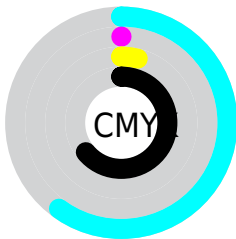
# Distribution



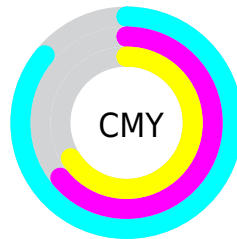
- Red (14%)
- Green (36%)
- Blue (34%)



- Red (14%)
- Yellow (25%)
- Blue (36%)



- Cyan (60%)
- Magenta (0%)
- Yellow (4%)
- Black (64%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 245B57 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 245B57 by changing the saturation by 10% instead.



 245B57

 245B57

FFFFFF

 054340

 578D89

 002D2A

 71A8A3

 001A15

 8CC3BE

 000000

 A7DFDA

 C3FCF6

 DFFFFFF

 FFFFFFF

 245B57

 245B57

■ 1B5B56

■ 2D5B58

■ 125B56

■ 365B58

■ 095B55

■ 3F5B59

■ 005B54

■ 485B5A

■ 525B5A

■ 5B5B5B

■ 645B5C

■ 6D5B5C

■ 765B5D

# Harmonies

## Analogous

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



355A47



245B57



1E5A66

# Triad

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



245B57



5B4D6A



664E36

# Complementary

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



245B57



5B2428

# 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.



6F4940



245B57



6A485E

# Square

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



245B57



455271



71474E



585334

# Rectangle

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



245B57



27586D



71474E



6A4C38



# Sweetspot

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



245B57



607574



295B24



2E3B3A



BABABA



3B3B3B



# Same Dimension

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



245B57



20756F



24445B



292E2E



006E66



00EDDC



# Inverse Universe

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



5B2428



752026



5B3B24



2E292A



6E0008



ED0011



# Previews

## White Background



This preview shows how the Hex color 245B57 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

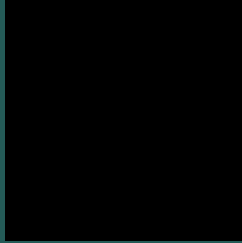
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 245B57 Background



This preview shows how black text looks on a background with the Hex color 245B57.

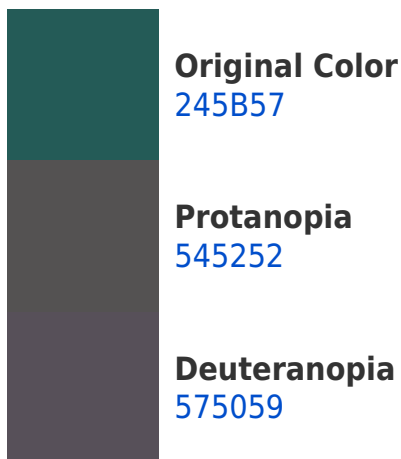


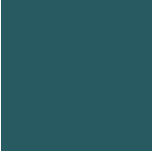
This preview shows how white text looks on a background with the Hex color 245B57.

# 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](#).

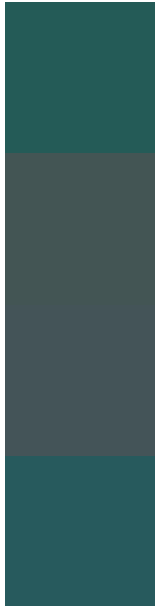
## Dichromacy





**Tritanopia**  
285A61

# Trichromacy



**Original Color**  
245B57

**Protanomaly**  
435554

**Deuteranomaly**  
445458

**Tritanomaly**  
275A5D

# Monochromacy



**Original Color**  
245B57

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
3C504F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 245B57 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 #245B57 looks like.

```
.text, #text, p{  
    color:#245B57  
}
```

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 #245B57 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #245B57
}
```

## Border

The CSS property to change the border of an element to Hex 245B57 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".

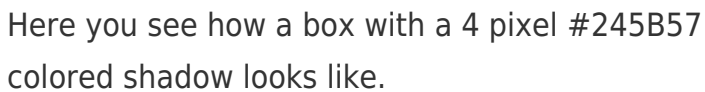
```
.border, #border, table{ border:4px solid
#245B57 }
```

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

```
.border{ border-color:#245B57 }
```

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

Here you see how a box with a 4 pixel #245B57 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #245B57; -webkit-box-shadow:4px 4px  
4px 4px #245B57; box-shadow:4px 4px 4px  
4px #245B57 }
```

# Background

The CSS property to change the background color of an element to Hex 245B57 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#245B57 }
```

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

```
.background{ background-color:#245B57 }
```

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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