

Converting Colors

Hex(235D4F)

Have a look what the booklet for
Hex(235D4F) contains.

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Color

Hex(235D4F)

Conversions

Conversions Part 1

Format	Color
Hex	235D4F
RGB	35, 93, 79
RGB Percent	14%, 36%, 31%
CMY	0.8627, 0.6353, 0.6902
CMYK	0.62, 0.00, 0.15, 0.64
HSL	166°, 45%, 25%
HSV	166°, 62%, 36%
XYZ	6.0188, 8.7505, 8.7689
YIQ	74.0620, -30.0740, -16.6500

Conversions

Conversions Part 2

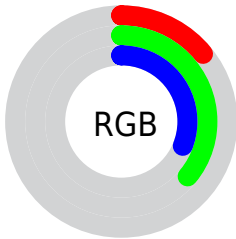
Format	Color
R_{YB}	35, 68, 93
Decimal	2317647
CIE Lab	35.50, -22.69, 2.42
CIE LCh	35, 22.816, 173.904
Yxy	8.7505, 0.2557, 0.3718
Android (android.graphics.Color)	4280507727 (0xFF235D4F)
YUV	74.0620, 2.4344, -34.2574
Hunter-Lab	29.5813, -15.4487, 3.1313

Details

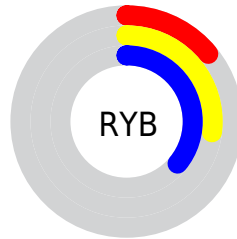
The Hex color **235D4F** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5D2331**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **569080**, and **002E23** is the 20% darker color. If you saturate the color by 10%, you get **1A5D4D**, and if you desaturate by 10%, it is **2C5D51**.

Distribution



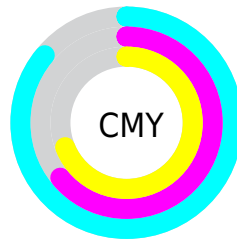
- Red (14%)
- Green (36%)
- Blue (31%)



- Red (14%)
- Yellow (27%)
- Blue (36%)



- Cyan (62%)
- Magenta (0%)
- Yellow (15%)
- Black (64%)



- Cyan (86%)
- Magenta (64%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Hex color 235D4F 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 235D4F by changing the saturation by 10% instead.

■ 235D4F

■ 235D4F

FFFFFF

■ 044538

■ 569080

■ 002E23

■ 70AA9A

■ 001C0D

■ 8BC6B5

■ 000000

■ A6E2D0

■ C2FFED

■ DEFFFF

■ FBFFFF

■ 235D4F

■ 235D4F

■ 1A5D4D

■ 2C5D51

■ 105D4B

■ 365D53

■ 075D48

■ 3F5D56

■ 005D47

■ 485D58

■ 525D5A

■ 5B5D5C

■ 645D5F

■ 6D5D61

■ 775D63

Harmonies

Analogous

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



3B5B3D



235D4F



075D62

Triad

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



235D4F



505075



704B37

Complementary

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



235D4F



5D2331

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.



774646



235D4F



674A69

Square

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



235D4F



325677



744658



63512F

Rectangle

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



235D4F



065C6C



744658



74493B

Sweetspot

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



235D4F



617872



315D23



2F3D3A



BDBDBD



3D3D3D

Same Dimension

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



235D4F



1E7862



234F5D



292E2D



006E53



00EDB4

Inverse Universe

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



5D2331



781E34



5D3123



2E292A



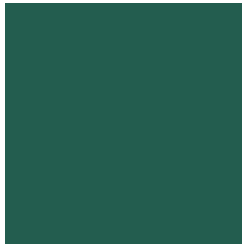
6E001A



ED0039

Previews

White Background



This preview shows how the Hex color 235D4F looks on a white background.

Color Contrast Check

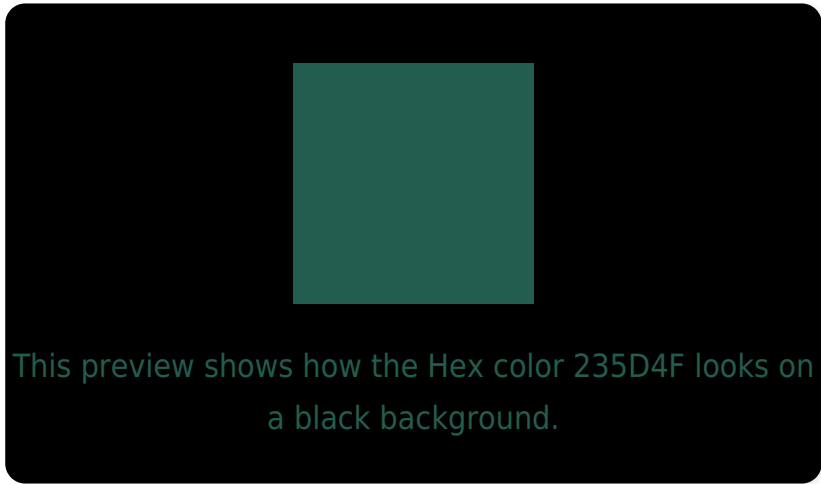
Large Text (above 18pt) WCAG AA ✓ Pass

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

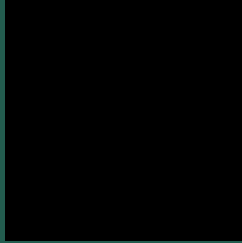
Any Text WCAG AA × Fail

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 235D4F Background



This preview shows how black text looks on a background with the Hex color 235D4F.



This preview shows how white text looks on a background with the Hex color 235D4F.

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
235D4F

Protanopia
57534A

Deuteranopia
5C5052

Trichromacy



Original Color
235D4F

Protanomaly
44574C

Deuteranomaly
475551

Tritanomaly
275B5B

Monochromacy



Original Color
235D4F

Achromatopsia
4A4A4A

Achromatomaly
3C514C

CSS Examples

Text

The CSS property to change the color of the text to Hex 235D4F 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 #235D4F looks like.

```
.text, #text, p{  
  color:#235D4F  
}
```

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 #235D4F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #235D4F
}
```

Border

The CSS property to change the border of an element to Hex 235D4F 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".

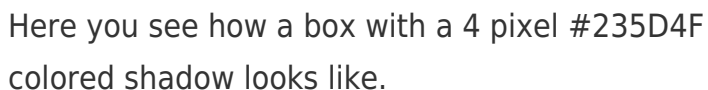
```
.border, #border, table{ border:4px solid
#235D4F }
```

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

```
.border{ border-color:#235D4F }
```

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

Here you see how a box with a 4 pixel #235D4F colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #235D4F; -webkit-box-shadow:4px 4px  
4px 4px #235D4F; box-shadow:4px 4px 4px  
4px #235D4F }
```

Background

The CSS property to change the background color of an element to Hex 235D4F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#235D4F }
```

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

```
.background{ background-color:#235D4F }
```

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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