

# Converting Colors

Hex(005A4F)

Have a look what the booklet for  
Hex(005A4F) contains.

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# Color

**Hex(005A4F)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | 005A4F                      |
| RGB           | 0, 90, 79                   |
| RGB Percent   | 0%, 35%, 31%                |
| CMY           | 1.0000, 0.6471, 0.6902      |
| CMYK          | 1.00, 0.00, 0.12, 0.65      |
| HSL           | 173°, 100%, 18%             |
| HSV           | 173°, 100%, 35%             |
| XYZ           | 5.0674, 7.8768, 8.6504      |
| YIQ           | 61.8360, -50.1090, -22.5010 |

# Conversions

## Conversions Part 2

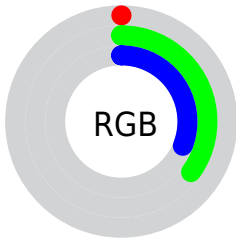
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>RYB</b>                          | 0, 48, 90                    |
| Decimal                             | 23119                        |
| CIELab                              | 33.73, -26.15, -0.25         |
| CIELCh                              | 34, 26.147, 180.538          |
| Yxy                                 | 7.8768, 0.2347,<br>0.3648    |
| Android<br>(android.graphics.Color) | 4278213199<br>(0xFF005A4F)   |
| YUV                                 | 61.8360, 8.4619,<br>-54.2302 |
| Hunter-Lab                          | 28.0657, -16.8857,<br>1.3716 |

# Details

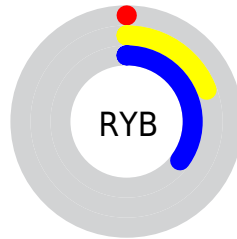
The Hex color **005A4F** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5A000B**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **438D80**, and **002B23** is the 20% darker color. If you saturate the color by 10%, you get **005A4F**, and if you desaturate by 10%, it is **095A50**.

# Distribution



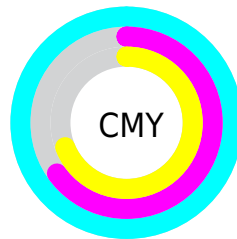
- Red (0%)
- Green (35%)
- Blue (31%)



- Red (0%)
- Yellow (19%)
- Blue (35%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (65%)



- Cyan (100%)
- Magenta (65%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005A4F 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 005A4F by changing the saturation by 10% instead.



 005A4F

 005A4F

FFFFFF

 004238

 438D80

 002B23

 5EA79A

 00160D

 79C3B5

 000000

 94DFD0

 B0FBED

 CDFFFF

 EAFFFF

 005A4F

■ 095A50

■ 125A51

■ 1B5A52

■ 245A53

■ 2D5A55

■ 365A56

■ 3F5A57

■ 485A58

■ 515A59

# Harmonies

## Analogous

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



2D583A



005A4F



005A64

# Triad

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



005A4F



524A73



6C472C

# Complementary

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



005A4F



5A000B

# 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.



76403B



005A4F



694264

# Square

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



005A4F



2E5179



753E50



5C4E25

# Rectangle

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



005A4F



00586F



753E50



704430



# Sweetspot

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



005A4F



527571



0C5A00



263B38



BABABA



3B3B3B



# Same Dimension

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



005A4F



007567



00395A



292E2D



006E60



00EDD0



# Inverse Universe

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



5A000B



75000E



5A2100



2E292A



6E000D



ED001D



# Previews

## White Background



This preview shows how the Hex color 005A4F looks on a white background.

## Color Contrast Check

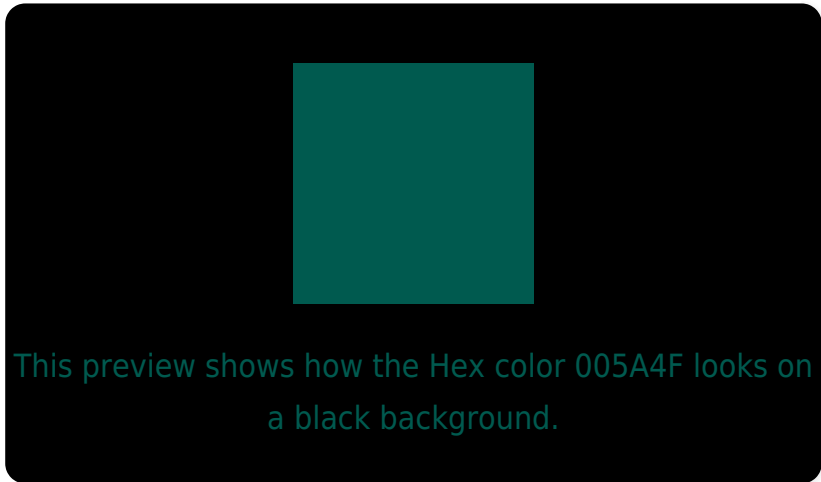
Large Text (above 18pt) WCAG AA ✓ Pass

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

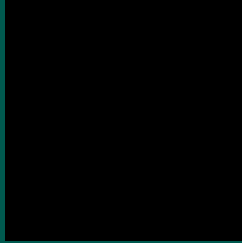
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005A4F Background



This preview shows how black text looks on a background with the Hex color 005A4F.



This preview shows how white text looks on a background with the Hex color 005A4F.

# 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**  
005A4F

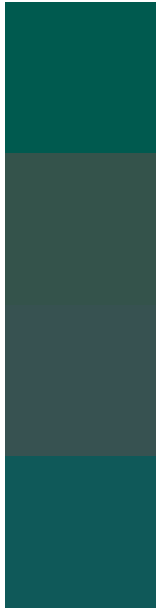
**Protanopia**  
524F49

**Deuteranopia**  
564D52



**Tritanopia**  
18585F

# Trichromacy



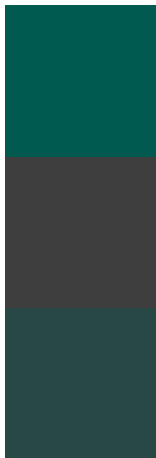
**Original Color**  
005A4F

**Protanomaly**  
34534B

**Deuteranomaly**  
375251

**Tritanomaly**  
0F5959

# Monochromacy



**Original Color**  
005A4F

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
274844

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005A4F 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 #005A4F looks like.

```
.text, #text, p{  
    color:#005A4F  
}
```

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 #005A4F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005A4F
}
```

## Border

The CSS property to change the border of an element to Hex 005A4F 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
#005A4F }
```

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

```
.border{ border-color:#005A4F }
```

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

Here you see how a box with a 4 pixel #005A4F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005A4F; -webkit-box-shadow:4px 4px  
4px 4px #005A4F; box-shadow:4px 4px 4px  
4px #005A4F }
```

# Background

The CSS property to change the background color of an element to Hex 005A4F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005A4F }
```

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

```
.background{ background-color:#005A4F }
```

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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