

# Converting Colors

Hex(005A1F)

Have a look what the booklet for  
Hex(005A1F) contains.

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# Color

Hex(005A1F)

# Conversions

## Conversions Part 1

Format	Color
Hex	005A1F
RGB	0, 90, 31
RGB Percent	0%, 35%, 12%
CMY	1.0000, 0.6471, 0.8784
CMYK	1.00, 0.00, 0.66, 0.65
HSL	141°, 100%, 18%
HSV	141°, 100%, 35%
XYZ	3.9035, 7.4113, 2.5211
YIQ	56.3640, -34.7010, -37.4290

# Conversions

## Conversions Part 2

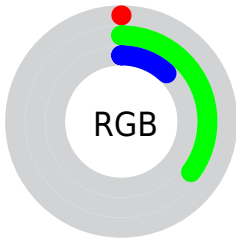
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 67, 90</a>
Decimal	<a href="#">23071</a>
CIELab	<a href="#">32.73, -37.52, 27.01</a>
CIELCh	<a href="#">33, 46.224, 144.252</a>
Yxy	<a href="#">7.4113, 0.2821, 0.5357</a>
Android (android.graphics.Color)	<a href="#">4278213151 (0xFF005A1F)</a>
YUV	<a href="#">56.3640, -12.5045, -49.4312</a>
Hunter-Lab	<a href="#">27.2236, -22.0469, 13.5659</a>

# Details

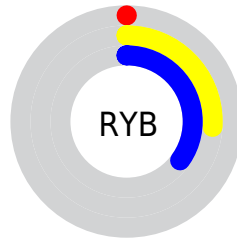
The Hex color **005A1F** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5A003B**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **428D4D**, and **002B00** is the 20% darker color. If you saturate the color by 10%, you get **005A1F**, and if you desaturate by 10%, it is **095A25**.

# Distribution



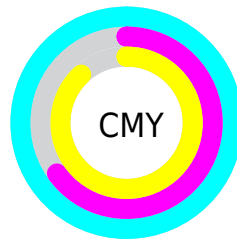
- Red (0%)
- Green (35%)
- Blue (12%)



- Red (0%)
- Yellow (26%)
- Blue (35%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (65%)



- Cyan (100%)
- Magenta (65%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 005A1F 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 005A1F by changing the saturation by 10% instead.



 005A1F

 005A1F

FFFFFF

 004208

 428D4D

 002B00

 5DA866

 001100

 78C37F

 000000

 93E09A

 AFFCB5

 CBFFD0

 E8FFED

 005A1F

■ 095A25

■ 125A2B

■ 1B5A31

■ 245A37

■ 2D5A3D

■ 365A42

■ 3F5A48

■ 485A4E

■ 515A54

# Harmonies

## Analogous

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



415400



005A1F



005D45

# Triad

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



005A1F



005496



8C2931

# Complementary

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



005A1F



5A003B

# 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.



8A2656



005A1F



3C4690

# Square

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



005A1F



005B88



723578



7E3910

# Rectangle

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



005A1F



005E5E



723578



8D263D



# Sweetspot

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



005A1F



52755E



3C5A00



263B2D



BABABA



3B3B3B



# Same Dimension

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



005A1F



007528



005A4B



292E2B



006E26



00ED52



# Inverse Universe

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



5A003B



75004D



5A000F



2E292C



6E0048



ED009B



# Previews

## White Background



This preview shows how the Hex color 005A1F looks on a white background.

## Color Contrast Check

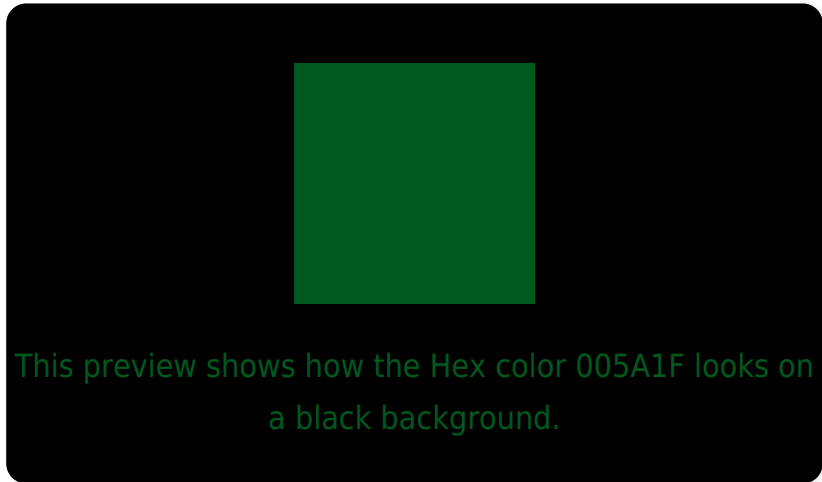
Large Text (above 18pt) WCAG AA ✓ Pass

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 005A1F Background



This preview shows how black text looks on a background with the Hex color 005A1F.



This preview shows how white text looks on a background with the Hex color 005A1F.

# 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**  
005A1F

**Protanopia**  
564D1B

**Deuteranopia**  
5F4924



**Tritanopia**  
24545B

# Trichromacy



**Original Color**  
005A1F



**Protanomaly**  
37521C



**Deuteranomaly**  
3C4F22

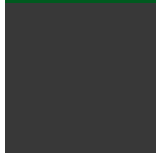


**Tritanomaly**  
175645

# Monochromacy



**Original Color**  
005A1F



**Achromatopsia**  
383838



**Achromatomaly**  
24442F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005A1F 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 #005A1F looks like.

```
.text, #text, p{  
    color:#005A1F  
}
```

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 #005A1F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005A1F
}
```

## Border

The CSS property to change the border of an element to Hex 005A1F 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".

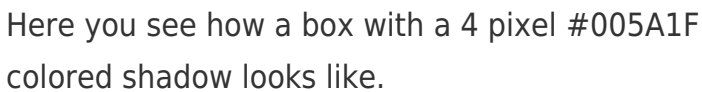
```
.border, #border, table{ border:4px solid
#005A1F }
```

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

```
.border{ border-color:#005A1F }
```

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

Here you see how a box with a 4 pixel #005A1F colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005A1F; -webkit-box-shadow:4px 4px  
4px 4px #005A1F; box-shadow:4px 4px 4px  
4px #005A1F }
```

# Background

The CSS property to change the background color of an element to Hex 005A1F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005A1F }
```

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

```
.background{ background-color:#005A1F }
```

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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