

# Converting Colors

Hex(05A81F)

Have a look what the booklet for  
Hex(05A81F) contains.

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# Color

Hex(05A81F)

# Conversions

## Conversions Part 1

Format	Color
Hex	05A81F
RGB	5, 168, 31
RGB Percent	2%, 66%, 12%
CMY	0.9804, 0.3412, 0.8784
CMYK	0.97, 0.00, 0.82, 0.34
HSL	130°, 94%, 34%
HSV	130°, 97%, 66%
XYZ	14.3125, 28.1365, 5.9729
YIQ	103.6450, -53.1710, -77.1630

# Conversions

## Conversions Part 2

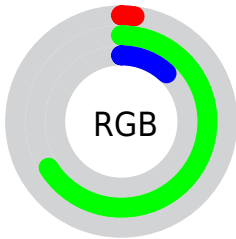
<b>Format</b>	<b>Color</b>
<b>RYB</b>	5, 146, 168
Decimal	370719
CIELab	60.01, -61.63, 55.06
CIELCh	60, 82.643, 138.221
Yxy	28.1365, 0.2956, 0.5811
Android (android.graphics.Color)	4278560799 (0xFF05A81F)
YUV	103.6450, -35.8140, -86.5117
Hunter-Lab	53.0438, -44.6629, 30.4545

# Details

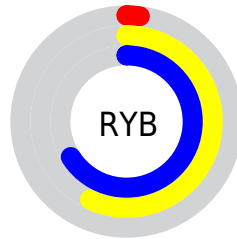
The Hex color **05A81F** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **A8058E**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **5FE158**, and **007200** is the 20% darker color. If you saturate the color by 10%, you get **00A81B**, and if you desaturate by 10%, it is **16A82D**.

# Distribution



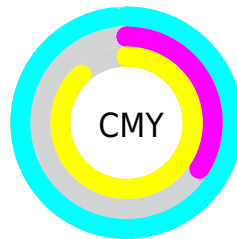
- Red (2%)
- Green (66%)
- Blue (12%)



- Red (2%)
- Yellow (57%)
- Blue (66%)



- Cyan (97%)
- Magenta (0%)
- Yellow (82%)
- Black (34%)



- Cyan (98%)
- Magenta (34%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 05A81F 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 05A81F by changing the saturation by 10% instead.



 05A81F

 05A81F

FFFFFF

 008D00

 5FE158

 007200

 7EFE73

 005800

 9CFF8E

 003F00

 BAFFAA

 002800

 D8FFC6

 000000

 F7FFE3

 05A81F

 05A81F

 00A81B

 16A82D

 27A83B

 37A849

 48A857

 59A866

 6AA874

 7BA882

 8BA890

 9CA89E

# Harmonies

## Analogous

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



859B00



05A81F



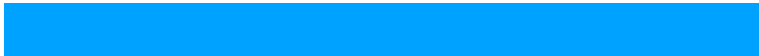
00AE70

# Triad

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



05A81F



00A2FF



FF3968

# Complementary

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



05A81F



A8058E

# 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.



FF3BB1



05A81F



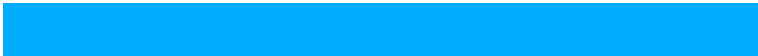
318AFF

# Square

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



05A81F



00ADFD



C965F3



F76020

# Rectangle

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



05A81F



00B0A3



C965F3



FF3280



# Sweetspot

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



05A81F



9CDBA6



90A805



476E4D



EDEDED



6E6E6E



# Same Dimension

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



05A81F



00DB23



05A86F



4C544D



009418



001403



# Inverse Universe

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



A8058E



DB00B8



A8053E



544C53



94007C

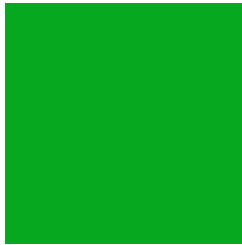


140011



# Previews

## White Background



This preview shows how the Hex color 05A81F looks on a white background.

## Color Contrast Check

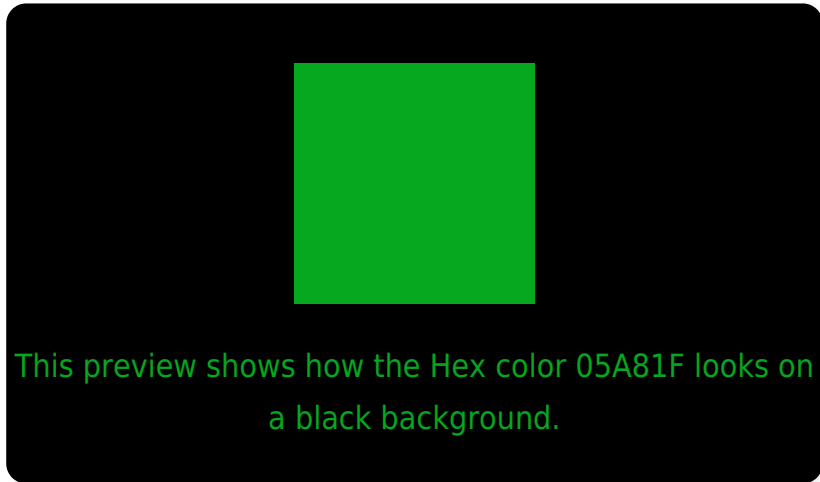
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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 × Fail

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



## Hex 05A81F Background



This preview shows how black text looks on a background with the Hex color 05A81F.



This preview shows how white text looks on a background with the Hex color 05A81F.

# 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**  
05A81F

**Protanopia**  
A29019

**Deuteranopia**  
B4882F



**Tritanopia**  
469CA9

# Trichromacy



**Original Color**  
05A81F



**Protanomaly**  
69991B



**Deuteranomaly**  
749429



**Tritanomaly**  
2EA077

# Monochromacy



**Original Color**  
05A81F



**Achromatopsia**  
686868



**Achromatomaly**  
447F4D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 05A81F 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 #05A81F looks like.

```
.text, #text, p{  
    color:#05A81F  
}
```

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 #05A81F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #05A81F
}
```

## Border

The CSS property to change the border of an element to Hex 05A81F is called "border". The border property can be set on classes, ids or directly on the HTML element.

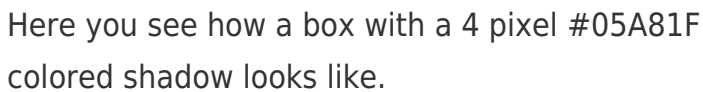
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#05A81F }
```

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

```
.border{ border-color:#05A81F }
```

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



Here you see how a box with a 4 pixel #05A81F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #05A81F; -webkit-box-shadow:4px 4px  
4px 4px #05A81F; box-shadow:4px 4px 4px  
4px #05A81F }
```

# Background

The CSS property to change the background color of an element to Hex 05A81F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#05A81F }
```

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

```
.background{ background-color:#05A81F }
```

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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