

# Converting Colors

Hex(05AF43)

Have a look what the booklet for  
Hex(05AF43) contains.

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**Color**

**Hex(05AF43)**

# Conversions

## Conversions Part 1

Format	Color
Hex	05AF43
RGB	5, 175, 67
RGB Percent	2%, 69%, 26%
CMY	0.9804, 0.3137, 0.7373
CMYK	0.97, 0.00, 0.62, 0.31
HSL	142°, 94%, 35%
HSV	142°, 97%, 69%
XYZ	16.4057, 31.0975, 10.4479
YIQ	111.8580, -66.6520, -69.6280

# Conversions

## Conversions Part 2

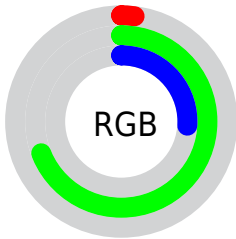
<b>Format</b>	<b>Color</b>
<b>RYB</b>	5, 130, 175
Decimal	372547
CIELab	62.59, -60.36, 43.94
CIELCh	63, 74.656, 143.948
Yxy	31.0975, 0.2831, 0.5366
Android (android.graphics.Color)	4278562627 (0xFF05AF43)
YUV	111.8580, -22.1150, -93.7145
Hunter-Lab	55.7651, -45.0755, 27.9272

# Details

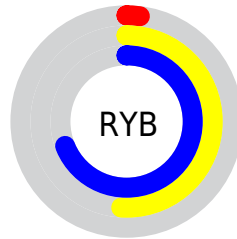
The Hex color **05AF43** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AF0571**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **5FE877**, and **00790B** is the 20% darker color. If you saturate the color by 10%, you get **00AF40**, and if you desaturate by 10%, it is **16AF4E**.

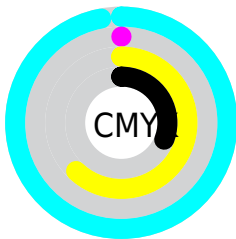
# Distribution



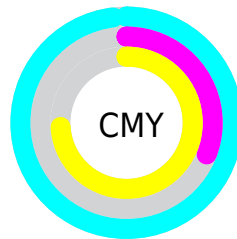
- Red (2%)
- Green (69%)
- Blue (26%)



- Red (2%)
- Yellow (51%)
- Blue (69%)



- Cyan (97%)
- Magenta (0%)
- Yellow (62%)
- Black (31%)



- Cyan (98%)
- Magenta (31%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 05AF43 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 05AF43 by changing the saturation by 10% instead.



 05AF43

 05AF43

FFFFFF

 009429

 5FE877

 00790B

 7EFF91

 005F00

 9CFFAD

 004500

 BAFFC9

 002F00

 D9FFE5

 001000

 F7FFFF

 000000

 05AF43

 05AF43

 00AF40

 16AF4E

 28AF59

 3AAF64

 4BAF6F

 5DAF7B

 6EAF86

 80AF91

 91AF9C

 A3AFA7

# Harmonies

## Analogous

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



82A400



05AF43



00B487

# Triad

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



05AF43



00A3FF



FF5666

# Complementary

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



05AF43



AF0571

# 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.



FF50A8



05AF43



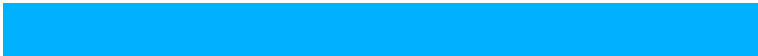
788CFF

# Square

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



05AF43



00B1FF



D96BE6



F07328

# Rectangle

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



05AF43



00B5B5



D96BE6



FF507B



# Sweetspot

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



05AF43



A1E3B9



73AF05



4B7359



F2F2F2



737373



# Same Dimension

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



05AF43



00E353



05AF95



4E5751



009637



001708



# Inverse Universe

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



AF0571



E30090



AF051F



574E54



960060



17000F



# Previews

## White Background



This preview shows how the Hex color 05AF43 looks on a white background.

## Color Contrast Check

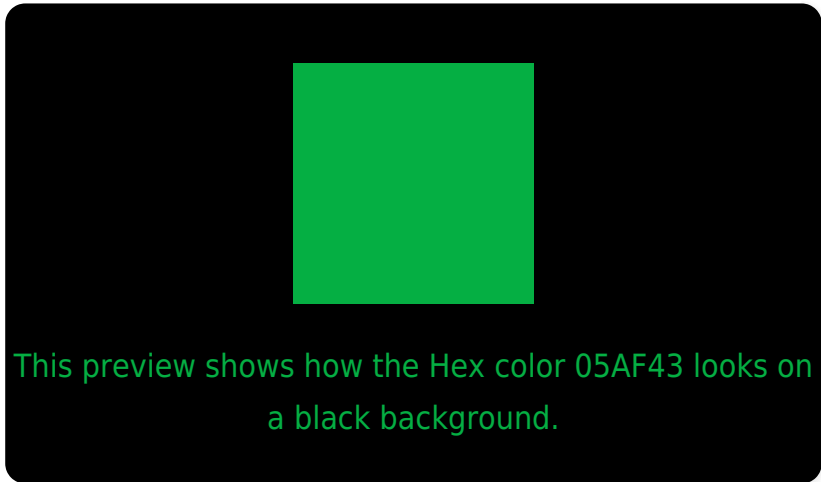
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# 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 ✓ Pass

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



## Hex 05AF43 Background



This preview shows how black text looks on a background with the Hex color 05AF43.



This preview shows how white text looks on a background with the Hex color 05AF43.

# 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**  
46A4B1

# Trichromacy



**Original Color**  
05AF43



**Protanomaly**  
6CA03F



**Deuteranomaly**  
789B49



**Tritanomaly**  
2EA889

# Monochromacy



**Original Color**  
05AF43



**Achromatopsia**  
707070



**Achromatomaly**  
498760

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 05AF43 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 #05AF43 looks like.

```
.text, #text, p{  
    color:#05AF43  
}
```

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 #05AF43 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #05AF43
}
```

## Border

The CSS property to change the border of an element to Hex 05AF43 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
#05AF43 }
```

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

```
.border{ border-color:#05AF43 }
```

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

Here you see how a box with a 4 pixel #05AF43 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #05AF43; -webkit-box-shadow:4px 4px  
4px 4px #05AF43; box-shadow:4px 4px 4px  
4px #05AF43 }
```

# Background

The CSS property to change the background color of an element to Hex 05AF43 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#05AF43 }
```

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

```
.background{ background-color:#05AF43 }
```

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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