

# Converting Colors

Hex(5DA545)

Have a look what the booklet for  
Hex(5DA545) contains.

<b>Hex(5DA545)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(5DA545)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5DA545
RGB	93, 165, 69
RGB Percent	36%, 65%, 27%
CMY	0.6353, 0.3529, 0.7294
CMYK	0.44, 0.00, 0.58, 0.35
HSL	105°, 41%, 46%
HSV	105°, 58%, 65%
XYZ	19.0435, 29.6671, 10.3528
YIQ	132.5280, -12.0960, -45.1200

# Conversions

## Conversions Part 2

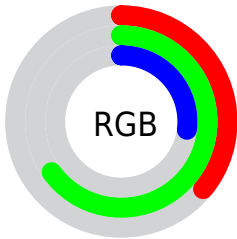
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 165, 141
Decimal	6137157
CIELab	61.37, -40.90, 42.11
CIELCh	61, 58.698, 134.166
Yxy	29.6671, 0.3224, 0.5023
Android (android.graphics.Color)	4284327237 (0xFF5DA545)
YUV	132.5280, -31.3193, -34.6661
Hunter-Lab	54.4675, -32.9091, 26.8578

# Details

The Hex color **5DA545** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8D45A5**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **94DD78**, and **257011** is the 20% darker color. If you saturate the color by 10%, you get **51A534**, and if you desaturate by 10%, it is **69A555**.

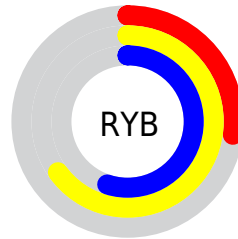
# Distribution



Red (36%)

Green (65%)

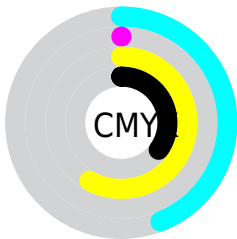
Blue (27%)



Red (27%)

Yellow (65%)

Blue (55%)

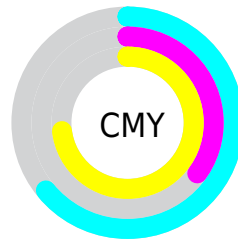


Cyan (44%)

Magenta (0%)

Yellow (58%)

Black (35%)



Cyan (64%)

Magenta (35%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5DA545 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 5DA545 by changing the saturation by 10% instead.



 5DA545

 5DA545

FFFFFF

 428A2C

 94DD78

 257011

 B0F993

 005700

 CCFFAE

 003F00

 E9FFCA

 002A00

 FFFFE6

 000900

 000000

 5DA545

 5DA545

 51A534

 69A555

 44A524

 76A566

 38A513

 82A576

 2BA503

 8EA587

 29A500

 9BA597

 A7A5A8

 B4A5B8

 C0A5C9

 CCA5D9

# Harmonies

## Analogous

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



989924



5DA545



00AB76

# Triad

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



5DA545



00A2F8



F3647E

# Complementary

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



5DA545



8D45A5

# 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.



E468B2



5DA545



5F92F9

# Square

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



5DA545



00AADB



B67CDF



E7734E

# Rectangle

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



5DA545



00AD9A



B67CDF



F1638F



# Sweetspot

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



5DA545



BBD6B2



A58D45



5B6B56



EBEBEB



6B6B6B



# Same Dimension

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



5DA545



66D640



45A55D



4B5249



249100



041200



# Inverse Universe

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



8D45A5



B140D6



A5458D



504952



6D0091



0D0012



# Previews

## White Background



This preview shows how the Hex color 5DA545 looks on a white background.

## Color Contrast Check

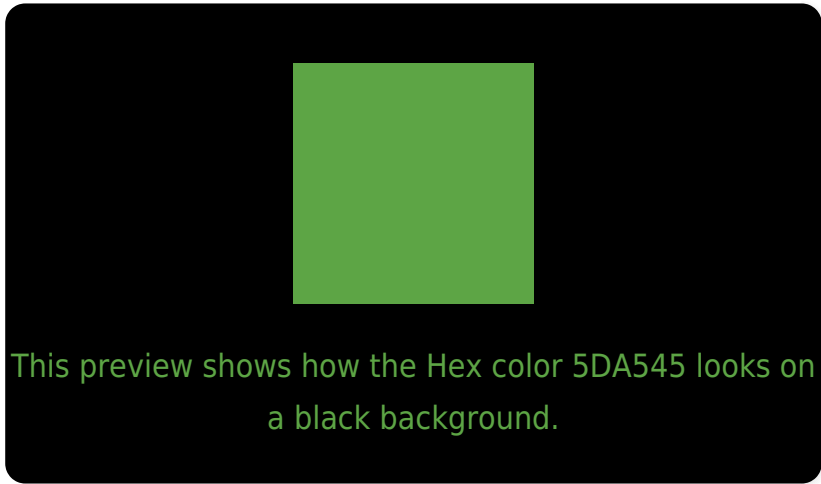
Large Text (above 18pt) WCAG AA ✓ Pass

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 5DA545 Background



This preview shows how black text looks on a background with the Hex color 5DA545.

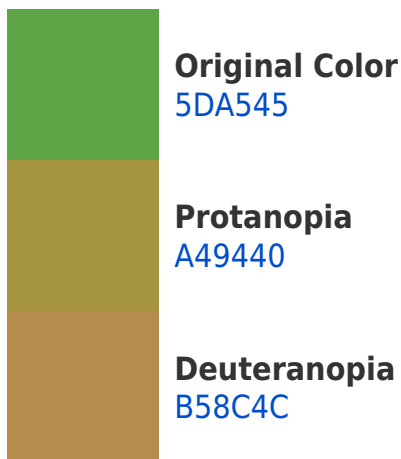


This preview shows how white text looks on a background with the Hex color 5DA545.

# 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**  
6E9BA7

# Trichromacy



**Original Color**  
5DA545



**Protanomaly**  
8A9A42



**Deuteranomaly**  
959549



**Tritanomaly**  
689F83

# Monochromacy



**Original Color**  
5DA545



**Achromatopsia**  
858585



**Achromatomaly**  
76916E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5DA545 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 #5DA545 looks like.

```
.text, #text, p{  
    color:#5DA545  
}
```

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 #5DA545 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5DA545
}
```

## Border

The CSS property to change the border of an element to Hex 5DA545 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
#5DA545 }
```

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

```
.border{ border-color:#5DA545 }
```

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

Here you see how a box with a 4 pixel #5DA545 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5DA545; -webkit-box-shadow:4px 4px  
4px 4px #5DA545; box-shadow:4px 4px 4px  
4px #5DA545 }
```

# Background

The CSS property to change the background color of an element to Hex 5DA545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5DA545 }
```

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

```
.background{ background-color:#5DA545 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor