

# Converting Colors

Hex(5DB633)

Have a look what the booklet for  
Hex(5DB633) contains.

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**Color**

**Hex(5DB633)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DB633
RGB	93, 182, 51
RGB Percent	36%, 71%, 20%
CMY	0.6353, 0.2863, 0.8000
CMYK	0.49, 0.00, 0.72, 0.29
HSL	101°, 56%, 46%
HSV	101°, 72%, 71%
XYZ	21.8397, 36.0221, 8.9339
YIQ	140.4550, -10.9930, -59.6090

# Conversions

## Conversions Part 2

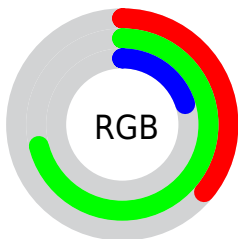
Format	Color
<a href="#">RYB</a>	<a href="#">51, 182, 140</a>
Decimal	<a href="#">6141491</a>
CIELab	<a href="#">66.54, -49.51, 55.40</a>
CIELCh	<a href="#">67, 74.300, 131.790</a>
Yxy	<a href="#">36.0221, 0.3270, 0.5393</a>
Android (android.graphics.Color)	<a href="#">4284331571 (0xFF5DB633)</a>
YUV	<a href="#">140.4550, -44.1013, -41.6180</a>
Hunter-Lab	<a href="#">60.0184, -40.0790, 33.1874</a>

# Details

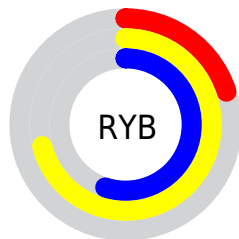
The Hex color **5DB633** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8C33B6**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **96EF69**, and **1C8000** is the 20% darker color. If you saturate the color by 10%, you get **51B621**, and if you desaturate by 10%, it is **69B645**.

# Distribution



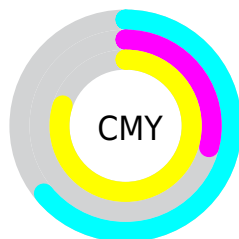
- Red (36%)
- Green (71%)
- Blue (20%)



- Red (20%)
- Yellow (71%)
- Blue (55%)



- Cyan (49%)
- Magenta (0%)
- Yellow (72%)
- Black (29%)



- Cyan (64%)
- Magenta (29%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5DB633 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 5DB633 by changing the saturation by 10% instead.



 5DB633

 5DB633


FFFFFF

 3F9B13

 96EF69

 1C8000

 B3FF84

 006600

 D0FFA0

 004D00

 EEFFBC

 003600

 FFFFD8

 001F00

 FFFFF6

 000000

 5DB633

 5DB633

 51B621

 69B645

 44B60F

 76B657

 3AB600

 82B66A

 8EB67C

 9BB68E

 A7B6A0

 B4B6B2

 C0B6C5

 CCB6D7

# Harmonies

## Analogous

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



A9A700



5DB633



00BE75

# Triad

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



5DB633



00B5FF



FF5C8A

# Complementary

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



5DB633



8C33B6

# 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.



FF65CD



5DB633



30A1FF

# Square

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



5DB633



00BEFA



C684FF



FF724B

# Rectangle

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



5DB633



00C0A4



C684FF



FF5BA1

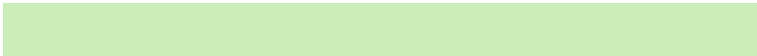


# Sweetspot

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



5DB633



CAEDB9



B68A33



637859



F7F7F7



787878



# Same Dimension

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



5DB633



63ED21



33B649



565C53



329C00



091C00



# Inverse Universe

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



8C33B6



AC21ED



B633A0



59535C



6A009C



13001C



# Previews

## White Background



This preview shows how the Hex color 5DB633 looks on a white background.

## Color Contrast Check

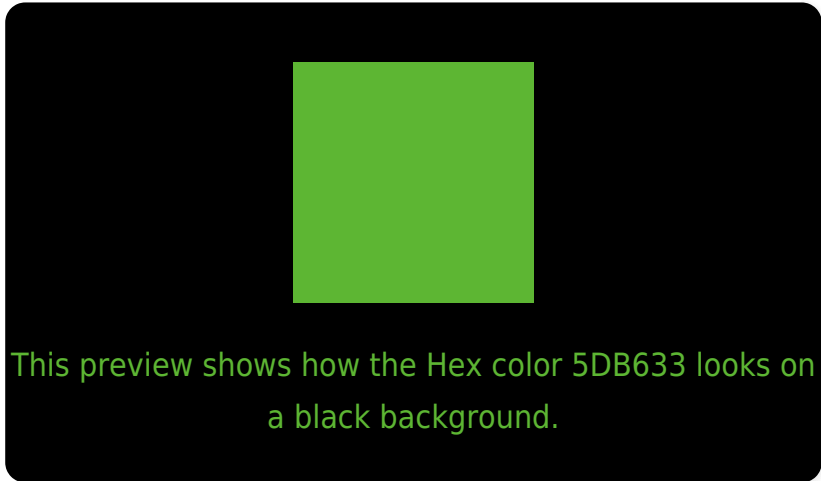
Large Text (above 18pt) WCAG AA × Fail

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 5DB633 Background



This preview shows how black text looks on a background with the Hex color 5DB633.

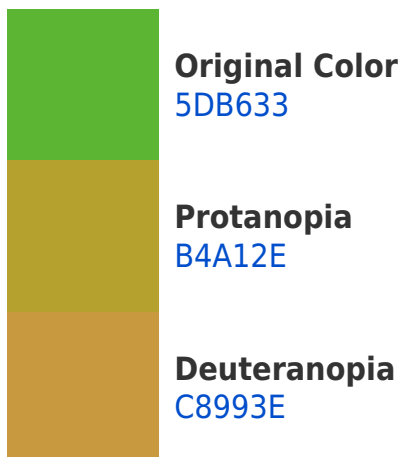


This preview shows how white text looks on a background with the Hex color 5DB633.

# 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**  
74AAB8

# Trichromacy



**Original Color**  
5DB633



**Protanomaly**  
94A930



**Deuteranomaly**  
A1A43A



**Tritanomaly**  
6CAE88

# Monochromacy



**Original Color**  
5DB633



**Achromatopsia**  
8C8C8C



**Achromatomaly**  
7B9B6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5DB633 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 #5DB633 looks like.

```
.text, #text, p{  
    color:#5DB633  
}
```

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 #5DB633 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5DB633
}
```

## Border

The CSS property to change the border of an element to Hex 5DB633 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
#5DB633 }
```

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

```
.border{ border-color:#5DB633 }
```

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

Here you see how a box with a 4 pixel #5DB633 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5DB633; -webkit-box-shadow:4px 4px  
4px 4px #5DB633; box-shadow:4px 4px 4px  
4px #5DB633 }
```

# Background

The CSS property to change the background color of an element to Hex 5DB633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5DB633 }
```

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

```
.background{ background-color:#5DB633 }
```

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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