

# Converting Colors

Hex(70B833)

Have a look what the booklet for  
Hex(70B833) contains.

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**Color**

**Hex(70B833)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	70B833
RGB	112, 184, 51
RGB Percent	44%, 72%, 20%
CMY	0.5608, 0.2784, 0.8000
CMYK	0.39, 0.00, 0.72, 0.28
HSL	92°, 57%, 46%
HSV	92°, 72%, 72%
XYZ	24.4201, 37.9647, 9.1728
YIQ	147.3100, -0.2190, -56.6270

# Conversions

## Conversions Part 2

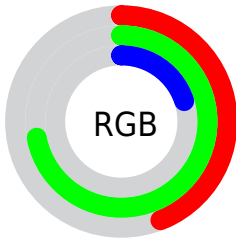
Format	Color
<a href="#">RYB</a>	<a href="#">51, 184, 123</a>
Decimal	<a href="#">7387187</a>
CIELab	<a href="#">67.99, -44.18, 57.14</a>
CIElCh	<a href="#">68, 72.232, 127.711</a>
Yxy	<a href="#">37.9647, 0.3413, 0.5305</a>
Android (android.graphics.Color)	<a href="#">4285577267 (0xFF70B833)</a>
YUV	<a href="#">147.3100, -47.4808, -30.9669</a>
Hunter-Lab	<a href="#">61.6155, -37.0822, 34.3043</a>

# Details

The Hex color **70B833** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7B33B8**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **A9F16A**, and **378200** is the 20% darker color. If you saturate the color by 10%, you get **66B821**, and if you desaturate by 10%, it is **7AB845**.

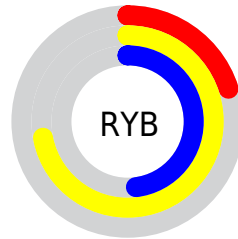
# Distribution



Red (44%)

Green (72%)

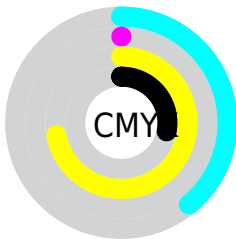
Blue (20%)



Red (20%)

Yellow (72%)

Blue (48%)

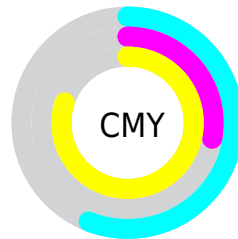


Cyan (39%)

Magenta (0%)

Yellow (72%)

Black (28%)



Cyan (56%)

Magenta (28%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70B833 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 70B833 by changing the saturation by 10% instead.



 70B833

 70B833

FFFFFF

 549D12

 A9F16A

 378200

 C5FF85

 146900

 E3FFA0

 005000

 FFFFBD

 003800

 FFFFD9

 002300

 FFFFF6

 000000

 70B833

 70B833

 66B821

 7AB845

 5CB80E

 84B858

 54B800

 8EB86A

 98B87D

 A2B88F

 ACB8A1

 B6B8B4

 C0B8C6

 CAB8D9

# Harmonies

## Analogous

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



B6A800



70B833



00C171

# Triad

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



70B833



00BAFF



FF6398

# Complementary

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



70B833



7B33B8

# 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.



FF6FD9



70B833



00A8FF

# Square

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



70B833



00C2F4



BD8DFF



FF7459

# Rectangle

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



70B833



00C39E



BD8DFF



FF64AE



# Sweetspot

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



70B833



D3F0BB



B87A33



677859



F7F7F7



787878



# Same Dimension

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



70B833



7FF01F



33B837



575C53



479C00



0D1C00



# Inverse Universe

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



7B33B8



901FF0



B833B4



58535C



54009C



0F001C



# Previews

## White Background



This preview shows how the Hex color 70B833 looks on a white background.

## Color Contrast Check

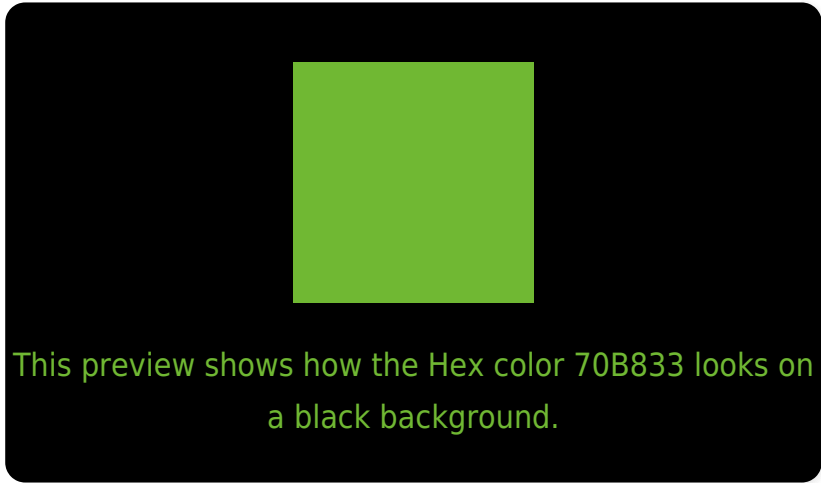
Large Text (above 18pt) WCAG AA × Fail

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 70B833 Background



This preview shows how black text looks on a background with the Hex color 70B833.

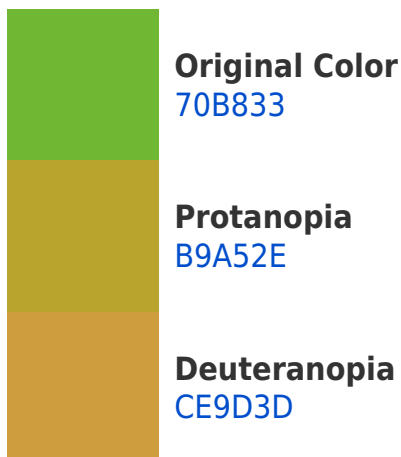


This preview shows how white text looks on a background with the Hex color 70B833.

# 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**  
83ACB9

# Trichromacy



**Original Color**  
70B833



**Protanomaly**  
9EAC30



**Deuteranomaly**  
ACA739



**Tritanomaly**  
7CB088

# Monochromacy



**Original Color**  
70B833



**Achromatopsia**  
939393



**Achromatomaly**  
86A070

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70B833 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 #70B833 looks like.

```
.text, #text, p{  
    color:#70B833  
}
```

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 #70B833 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70B833
}
```

## Border

The CSS property to change the border of an element to Hex 70B833 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
#70B833 }
```

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

```
.border{ border-color:#70B833 }
```

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

Here you see how a box with a 4 pixel #70B833 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70B833; -webkit-box-shadow:4px 4px  
4px 4px #70B833; box-shadow:4px 4px 4px  
4px #70B833 }
```

# Background

The CSS property to change the background color of an element to Hex 70B833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70B833 }
```

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

```
.background{ background-color:#70B833 }
```

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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