

Converting Colors

Hex(68D233)

Have a look what the booklet for
Hex(68D233) contains.

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Color

Hex(68D233)

Conversions

Conversions Part 1

Format	Color
Hex	68D233
RGB	104, 210, 51
RGB Percent	41%, 82%, 20%
CMY	0.5922, 0.1765, 0.8000
CMYK	0.50, 0.00, 0.76, 0.18
HSL	100°, 64%, 51%
HSV	100°, 76%, 82%
XYZ	29.3531, 49.2753, 11.0960
YIQ	160.1800, -12.1370, -71.9210

Conversions

Conversions Part 2

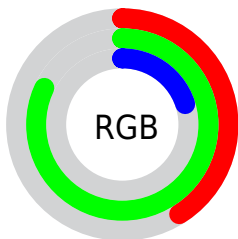
Format	Color
RYB	51, 210, 157
Decimal	6869555
CIELab	75.62, -56.96, 64.55
CIELCh	76, 86.086, 131.423
Yxy	49.2753, 0.3271, 0.5492
Android (android.graphics.Color)	4285059635 (0xFF68D233)
YUV	160.1800, -53.8257, -49.2699
Hunter-Lab	70.1963, -48.2027, 39.7654

Details

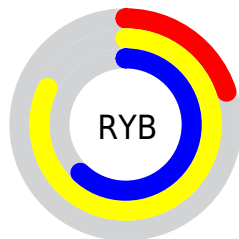
The Hex color **68D233** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **9D33D2**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **A4FF6D**, and **249A00** is the 20% darker color. If you saturate the color by 10%, you get **5AD21E**, and if you desaturate by 10%, it is **76D248**.

Distribution



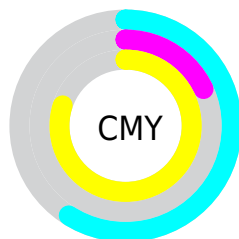
- Red (41%)
- Green (82%)
- Blue (20%)



- Red (20%)
- Yellow (82%)
- Blue (62%)



- Cyan (50%)
- Magenta (0%)
- Yellow (76%)
- Black (18%)



- Cyan (59%)
- Magenta (18%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 68D233 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 68D233 by changing the saturation by 10% instead.



68D233



68D233

FFFFFF



49B60B



A4FF6D



249A00



C1FF88



008000



DFFFA5



006600



FEFFC1



004C00



FFFFDE



003500



FFFFFC



001C00



000000



68D233



68D233

 5AD21E

 76D248

 4CD209

 84D25D

 46D200

 92D272

 A0D287

 AED29C

 BCD2B1

 CAD2C6

 D8D2DB

 E6D2F0

Harmonies

Analogous

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



C3C000



68D233



00DB84

Triad

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



68D233



00D1FF



FF659F

Complementary

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



68D233



9D33D2

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.



FF70EF



68D233



00BAFF

Square

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



68D233



00DCFF



E396FF



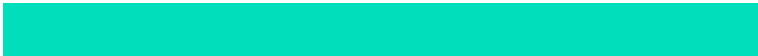
FF8054

Rectangle

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



68D233



00DEBC



E396FF



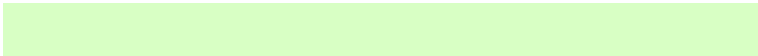
FF63BA

Sweetspot

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



68D233



D8FFC4



D29D33



68805C



000000



808080

Same Dimension

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



68D233



64FF17



33D24D



62695E



38A800



0E2900

Inverse Universe

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



9D33D2



B217FF



D233B7



655E69



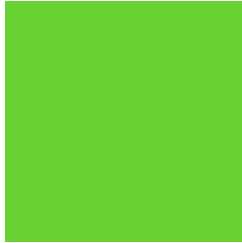
7000A8



1B0029

Previews

White Background



This preview shows how the Hex color 68D233 looks on a white background.

Color Contrast Check

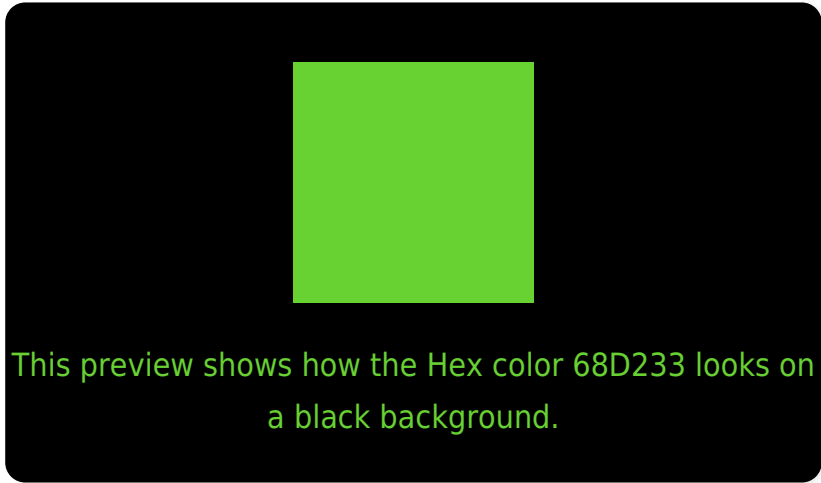
Large Text (above 18pt) WCAG AA × Fail

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

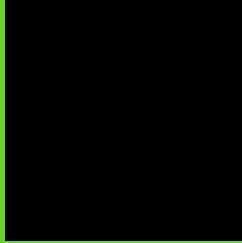
Any Text WCAG AA ✓ Pass

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 68D233 Background



This preview shows how black text looks on a background with the Hex color 68D233.

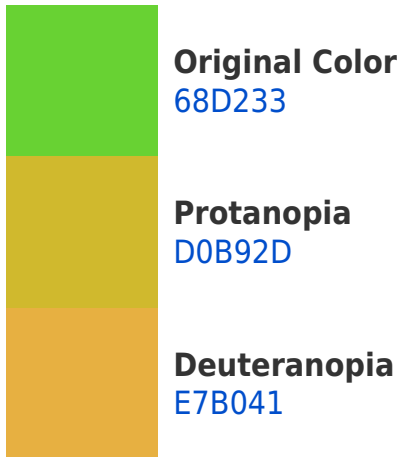


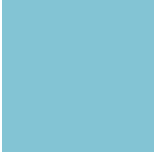
This preview shows how white text looks on a background with the Hex color 68D233.

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
83C4D4

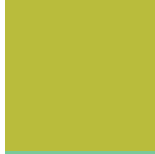
Trichromacy



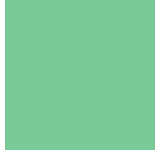
Original Color
68D233



Protanomaly
AAC22F



Deuteranomaly
B9BC3C



Tritanomaly
79C999

Monochromacy



Original Color
68D233



Achromatopsia
A0A0A0



Achromatomaly
8CB278

CSS Examples

Text

The CSS property to change the color of the text to Hex 68D233 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 #68D233 looks like.

```
.text, #text, p{  
    color:#68D233  
}
```

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 #68D233 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68D233
}
```

Border

The CSS property to change the border of an element to Hex 68D233 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
#68D233 }
```

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

```
.border{ border-color:#68D233 }
```

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

Here you see how a box with a 4 pixel #68D233 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68D233; -webkit-box-shadow:4px 4px  
4px 4px #68D233; box-shadow:4px 4px 4px  
4px #68D233 }
```

Background

The CSS property to change the background color of an element to Hex 68D233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68D233 }
```

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

```
.background{ background-color:#68D233 }
```

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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