

Converting Colors

Hex(5BD768)

Have a look what the booklet for
Hex(5BD768) contains.

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Color

Hex(5BD768)

Conversions

Conversions Part 1

Format	Color
Hex	5BD768
RGB	91, 215, 104
RGB Percent	36%, 84%, 41%
CMY	0.6431, 0.1569, 0.5922
CMYK	0.58, 0.00, 0.52, 0.16
HSL	126°, 61%, 60%
HSV	126°, 58%, 84%
XYZ	31.1135, 51.8245, 21.4600
YIQ	165.2700, -38.2730, -60.8090

Conversions

Conversions Part 2

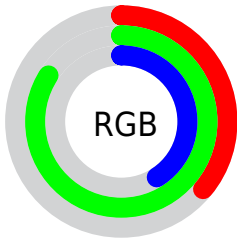
Format	Color
RYB	91, 203, 215
Decimal	6018920
CIELab	77.18, -57.03, 44.26
CIElCh	77, 72.185, 142.186
Yxy	51.8245, 0.2980, 0.4964
Android (android.graphics.Color)	4284209000 (0xFF5BD768)
YUV	165.2700, -30.2061, -65.1348
Hunter-Lab	71.9892, -48.8340, 32.7181

Details

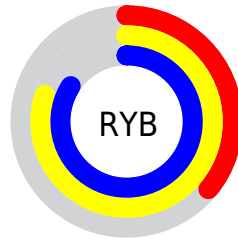
The Hex color **5BD768** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **D75BCA**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **97FF9D**, and **069F35** is the 20% darker color. If you saturate the color by 10%, you get **46D755**, and if you desaturate by 10%, it is **71D77B**.

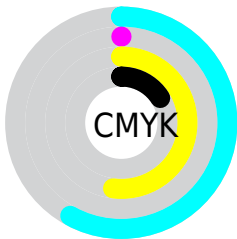
Distribution



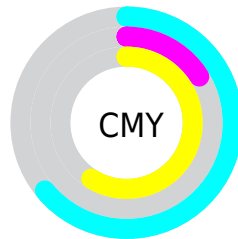
- Red (36%)
- Green (84%)
- Blue (41%)



- Red (36%)
- Yellow (80%)
- Blue (84%)



- Cyan (58%)
- Magenta (0%)
- Yellow (52%)
- Black (16%)



- Cyan (64%)
- Magenta (16%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Hex color 5BD768 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 5BD768 by changing the saturation by 10% instead.

 5BD768

 5BD768

FFFFFF

 3ABB4E

 97FF9D

 069F35

 B5FFB9

 00841A

 D2FFD5

 006A00

 F0FFF2

 005000

 003800

 002100

 000000

 5BD768

 5BD768

 46D755

 71D77B

 30D742

 86D78E

 1BD72E

 9CD7A2

 05D71B

 B1D7B5

 00D717

 C7D7C8

 DCD7DB

 F2D7EF

 FFD7FF

Harmonies

Analogous

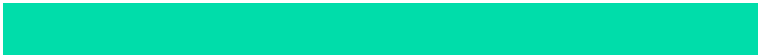
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



B1CA35



5BD768



00DDAA

Triad

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



5BD768



00CBFF



FF8390

Complementary

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



5BD768



D75BCA

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.



FF81D3



5BD768



9FB4FF

Square

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



5BD768



00D9FF



FF97FF



FF9A55

Rectangle

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



5BD768



00DFD9



FF97FF



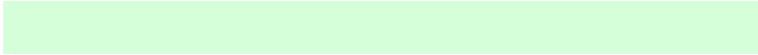
FF7FA6

Sweetspot

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



5BD768



D4FFD8



CBD75B



668069



000000



808080

Same Dimension

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



5BD768



4FFF61



5BD7A5



606B62



00AB12



002B05

Inverse Universe

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



D75BCA



FF4FED



D75B8D



6B606A



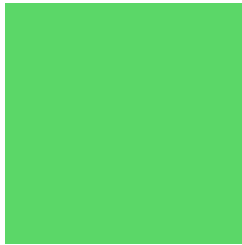
AB0099



2B0027

Previews

White Background



This preview shows how the Hex color 5BD768 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



This preview shows how the Hex color 5BD768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

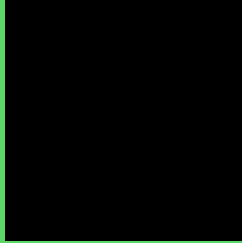
Any Text WCAG AA ✓ Pass

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 5BD768 Background



This preview shows how black text looks on a background with the Hex color 5BD768.

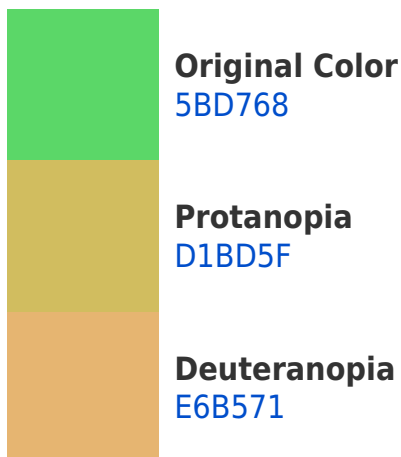


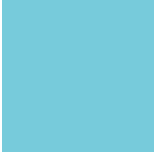
This preview shows how white text looks on a background with the Hex color 5BD768.

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
77CBDB

Trichromacy



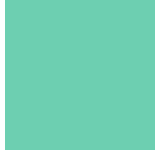
Original Color
5BD768



Protanomaly
A6C662



Deuteranomaly
B3C16E



Tritanomaly
6DCFB1

Monochromacy



Original Color
5BD768



Achromatopsia
A5A5A5



Achromatomaly
8AB78F

CSS Examples

Text

The CSS property to change the color of the text to Hex 5BD768 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 #5BD768 looks like.

```
.text, #text, p{  
    color:#5BD768  
}
```

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 #5BD768 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BD768
}
```

Border

The CSS property to change the border of an element to Hex 5BD768 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
#5BD768 }
```

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

```
.border{ border-color:#5BD768 }
```

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

Here you see how a box with a 4 pixel #5BD768 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BD768; -webkit-box-shadow:4px 4px  
4px 4px #5BD768; box-shadow:4px 4px 4px  
4px #5BD768 }
```

Background

The CSS property to change the background color of an element to Hex 5BD768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BD768 }
```

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

```
.background{ background-color:#5BD768 }
```

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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