

Converting Colors

Hex(57DB68)

Have a look what the booklet for
Hex(57DB68) contains.

Hex(57DB68)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(57DB68)

Conversions

Conversions Part 1

Format	Color
Hex	57DB68
RGB	87, 219, 104
RGB Percent	34%, 86%, 41%
CMY	0.6588, 0.1412, 0.5922
CMYK	0.60, 0.00, 0.53, 0.14
HSL	128°, 65%, 60%
HSV	128°, 60%, 86%
XYZ	31.7607, 53.6887, 21.7857
YIQ	166.4220, -41.7570, -63.7490

Conversions

Conversions Part 2

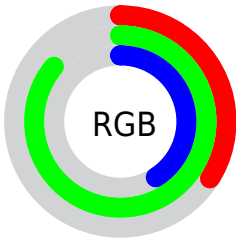
Format	Color
RYB	87, 204, 219
Decimal	5757800
CIELab	78.28, -59.41, 45.57
CIELCh	78, 74.879, 142.509
Yxy	53.6887, 0.2962, 0.5007
Android (android.graphics.Color)	4283947880 (0xFF57DB68)
YUV	166.4220, -30.7740, -69.6531
Hunter-Lab	73.2726, -50.8546, 33.6625

Details

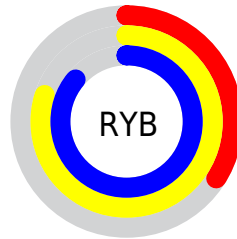
The Hex color **57DB68** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **DB57CA**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **94FF9D**, and **00A334** is the 20% darker color. If you saturate the color by 10%, you get **41DB55**, and if you desaturate by 10%, it is **6DDB7B**.

Distribution



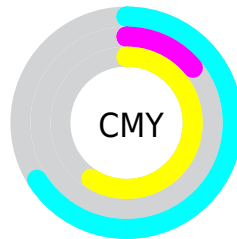
- Red (34%)
- Green (86%)
- Blue (41%)



- Red (34%)
- Yellow (80%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (53%)
- Black (14%)



- Cyan (66%)
- Magenta (14%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Hex color 57DB68 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 57DB68 by changing the saturation by 10% instead.

 57DB68

 57DB68

FFFFFF

 34BF4E

 94FF9D

 00A334

 B2FFB9

 008819

 D0FFD5

 006D00

 EEEFF2

 005400

 003B00

 002300

 000000

 57DB68

 57DB68

 41DB55

 6DDB7B

 2BDB42

 83DB8E

 15DB2F

 99DBA1

 00DB1C

 AFDBB4

 C4DBC7

 DADBDA

 F0DBEE

 FFDBFF

Harmonies

Analogous

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



B2CE31



57DB68



00E2AD

Triad

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



57DB68



00CFFF



FF8391

Complementary

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



57DB68



DB57CA

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.



FF81D6



57DB68



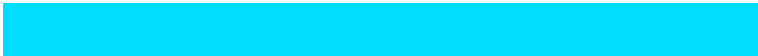
A2B7FF

Square

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



57DB68



00DDFF



FF98FF



FF9C53

Rectangle

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



57DB68



00E3DE



FF98FF



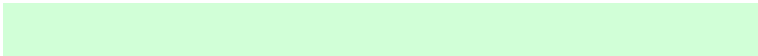
FF7FA7

Sweetspot

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



57DB68



D1FFD7



CCDB57



638067



000000



808080

Same Dimension

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



57DB68



47FF5F



57DBA8



636E64



00AD16



002E06

Inverse Universe

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



DB57CA



FF47E7



DB578A



6E636C



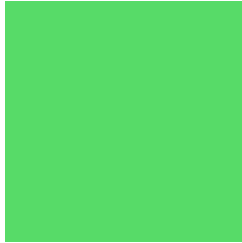
AD0097



2E0028

Previews

White Background



This preview shows how the Hex color 57DB68 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 57DB68 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 57DB68 Background



This preview shows how black text looks on a background with the Hex color 57DB68.

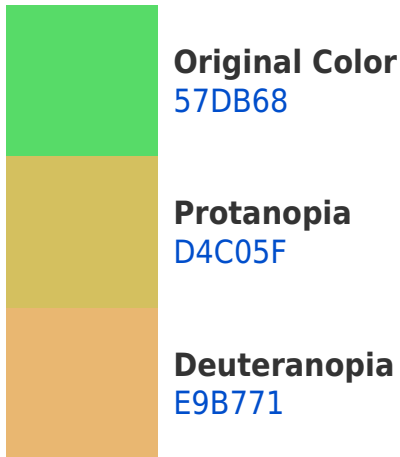


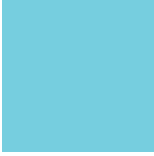
This preview shows how white text looks on a background with the Hex color 57DB68.

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
76CEDF

Trichromacy



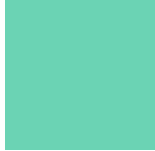
Original Color
57DB68



Protanomaly
A7CA62



Deuteranomaly
B4C46E



Tritanomaly
6BD3B4

Monochromacy



Original Color
57DB68



Achromatopsia
A6A6A6



Achromatomaly
89B98F

CSS Examples

Text

The CSS property to change the color of the text to Hex 57DB68 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 #57DB68 looks like.

```
.text, #text, p{  
    color:#57DB68  
}
```

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 #57DB68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #57DB68
}
```

Border

The CSS property to change the border of an element to Hex 57DB68 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
#57DB68 }
```

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

```
.border{ border-color:#57DB68 }
```

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

Here you see how a box with a 4 pixel #57DB68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #57DB68; -webkit-box-shadow:4px 4px  
4px 4px #57DB68; box-shadow:4px 4px 4px  
4px #57DB68 }
```

Background

The CSS property to change the background color of an element to Hex 57DB68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#57DB68 }
```

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

```
.background{ background-color:#57DB68 }
```

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