

Converting Colors

Hex(3DDB42)

Have a look what the booklet for
Hex(3DDB42) contains.

Hex(3DDB42)	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(3DDB42)

Conversions

Conversions Part 1

Format	Color
Hex	3DDB42
RGB	61, 219, 66
RGB Percent	24%, 86%, 26%
CMY	0.7608, 0.1412, 0.7412
CMYK	0.72, 0.00, 0.70, 0.14
HSL	122°, 69%, 55%
HSV	122°, 72%, 86%
XYZ	28.2394, 52.0485, 13.7123
YIQ	154.3160, -45.0550, -81.0790

Conversions

Conversions Part 2

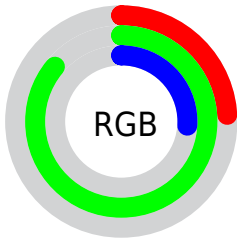
Format	Color
RYB	61, 214, 219
Decimal	4053826
CIELab	77.31, -68.56, 60.63
CIELCh	77, 91.523, 138.512
Yxy	52.0485, 0.3004, 0.5537
Android (android.graphics.Color)	4282243906 (0xFF3DDB42)
YUV	154.3160, -43.5398, -81.8381
Hunter-Lab	72.1446, -56.3834, 39.2322

Details

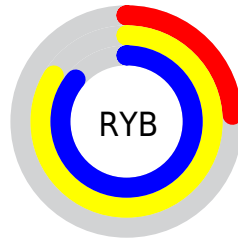
The Hex color **3DDB42** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **DB3DD6**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **82FF7A**, and **00A200** is the 20% darker color. If you saturate the color by 10%, you get **27DB2D**, and if you desaturate by 10%, it is **53DB57**.

Distribution



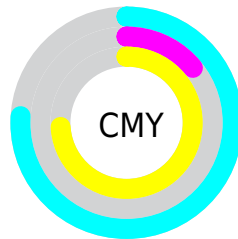
- Red (24%)
- Green (86%)
- Blue (26%)



- Red (24%)
- Yellow (84%)
- Blue (86%)



- Cyan (72%)
- Magenta (0%)
- Yellow (70%)
- Black (14%)



- Cyan (76%)
- Magenta (14%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Hex color 3DDB42 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 3DDB42 by changing the saturation by 10% instead.



3DDB42



3DDB42

FFFFFF



00BE23



82FF7A



00A200



A2FF95



008700



C1FFB1



006C00



E0FFCE



005300



FFFFEB



003A00



002100



000000



3DDB42



3DDB42

 27DB2D

 53DB57

 11DB18

 69DB6C

 00DB07

 7FDB82

 95DB97

 ABDBAC

 C0DBC1

 D6DBD6

 ECDBEC

 FFDBFF

Harmonies

Analogous

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



B3CB00



3DDB42



00E39A

Triad

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



3DDB42



00D3FF



FF648F

Complementary

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



3DDB42



DB3DD6

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.



FF66E3



3DDB42



6AB7FF

Square

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



3DDB42



00E1FF



FF8EFF



FF893F

Rectangle

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



3DDB42



00E5D6



FF8EFF



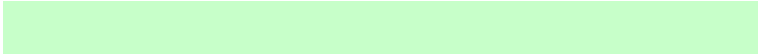
FF5EAA

Sweetspot

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



3DDB42



C7FFC9



D8DB3D



5E805F



000000



808080

Same Dimension

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



3DDB42



21FF28



3DDB8F



636E63



00AD05



002E01

Inverse Universe

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



DB3DD6



FF21F8



DB3D89



6E636D



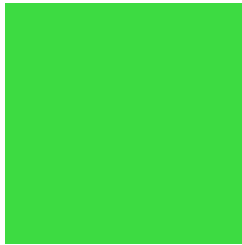
AD00A8



2E002C

Previews

White Background



This preview shows how the Hex color 3DDB42 looks on a white background.

Color Contrast Check

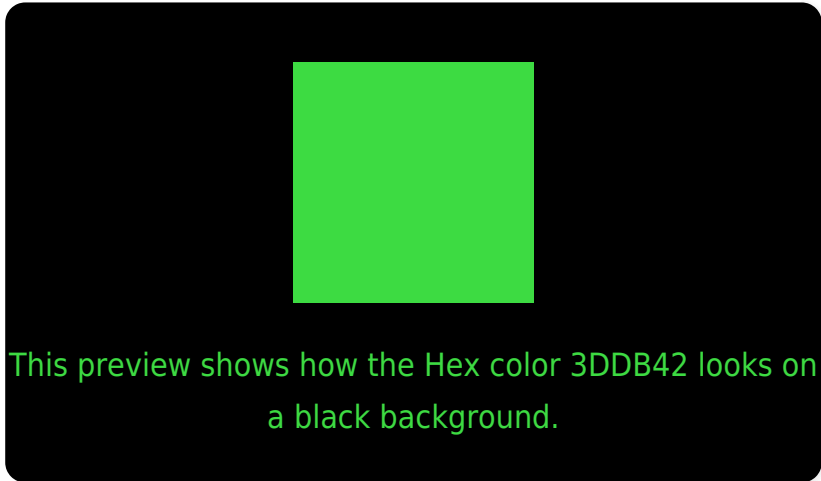
Large Text (above 18pt) WCAG AA × Fail

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 3DDB42 Background



This preview shows how black text looks on a background with the Hex color 3DDB42.

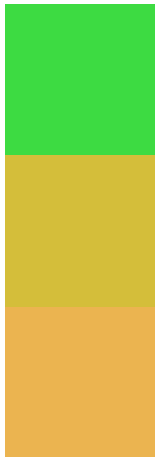


This preview shows how white text looks on a background with the Hex color 3DDB42.

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](#).

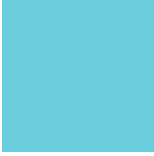
Dichromacy



Original Color
3DDB42

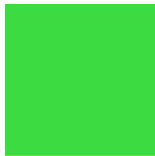
Protanopia
D4BE3A

Deuteranopia
EBB450



Tritanopia
69CDDD

Trichromacy



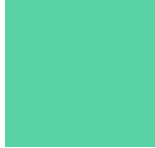
Original Color
3DDB42



Protanomaly
9DC93D



Deuteranomaly
ACC24B



Tritanomaly
59D2A5

Monochromacy



Original Color
3DDB42



Achromatopsia
9A9A9A



Achromatomaly
78B27A

CSS Examples

Text

The CSS property to change the color of the text to Hex 3DDB42 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 #3DDB42 looks like.

```
.text, #text, p{  
    color:#3DDB42  
}
```

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 #3DDB42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3DDB42
}
```

Border

The CSS property to change the border of an element to Hex 3DDB42 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
#3DDB42 }
```

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

```
.border{ border-color:#3DDB42 }
```

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

Here you see how a box with a 4 pixel #3DDB42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3DDB42; -webkit-box-shadow:4px 4px  
4px 4px #3DDB42; box-shadow:4px 4px 4px  
4px #3DDB42 }
```

Background

The CSS property to change the background color of an element to Hex 3DDB42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3DDB42 }
```

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

```
.background{ background-color:#3DDB42 }
```

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