

Converting Colors

Hex(2DB300)

Have a look what the booklet for
Hex(2DB300) contains.

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Color

Hex(2DB300)

Conversions

Conversions Part 1

Format	Color
Hex	2DB300
RGB	45, 179, 0
RGB Percent	18%, 70%, 0%
CMY	0.8235, 0.2980, 1.0000
CMYK	0.75, 0.00, 1.00, 0.30
HSL	105°, 100%, 35%
HSV	105°, 100%, 70%
XYZ	17.2023, 32.7981, 5.4240
YIQ	118.5280, -22.4050, -84.0770

Conversions

Conversions Part 2

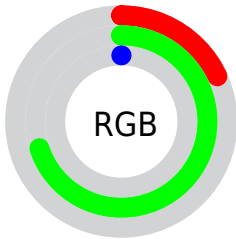
Format	Color
RYB	0, 179, 134
Decimal	2994944
CIELab	64.00, -61.99, 64.34
CIELCh	64, 89.341, 133.935
Yxy	32.7981, 0.3104, 0.5918
Android (android.graphics.Color)	4281185024 (0xFF2DB300)
YUV	118.5280, -58.4343, -64.4841
Hunter-Lab	57.2696, -46.6051, 34.4734

Details

The Hex color **2DB300** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **8600B3**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **72EC4C**, and **007D00** is the 20% darker color. If you saturate the color by 10%, you get **2DB300**, and if you desaturate by 10%, it is **3AB312**.

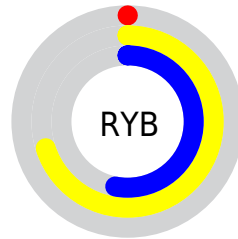
Distribution



Red (18%)

Green (70%)

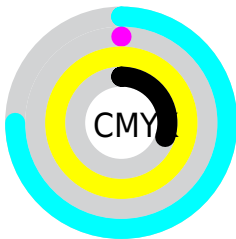
Blue (0%)



Red (0%)

Yellow (70%)

Blue (53%)

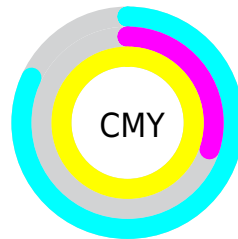


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (82%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2DB300 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 2DB300 by changing the saturation by 10% instead.

 2DB300

 2DB300

FFFFFF

 009700

 72EC4C

 007D00

 90FF68

 006300

 AFFF84

 004900

 CDFFA0

 003200

 EBFFBD

 001700

 FFFFDA

 000000

 FFFFF7

 2DB300

 3AB312

 48B324

 55B336

 63B348

 70B35A

 7DB36B

 8BB37D

 98B38F

 A6B3A1

Harmonies

Analogous

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



99A300



2DB300



00BB6C

Triad

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



2DB300



00B1FF



FF327A

Complementary

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



2DB300



8600B3

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.



FF40C9



2DB300



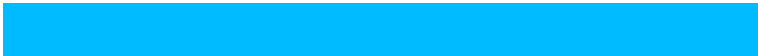
0099FF

Square

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



2DB300



00BBFF



CA71FF



FF5E2C

Rectangle

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



2DB300



00BDA4



CA71FF



FF2D94

Sweetspot

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



2DB300



B4E8A2



B38300



56754B



F5F5F5



757575

Same Dimension

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



2DB300



3AE800



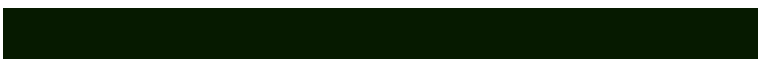
00B32A



535950



269900



061A00

Inverse Universe

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



8600B3



AE00E8



B30089



575059



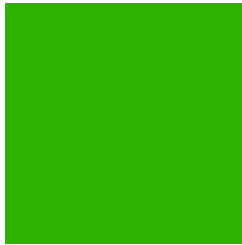
730099



13001A

Previews

White Background



This preview shows how the Hex color 2DB300 looks on a white background.

Color Contrast Check

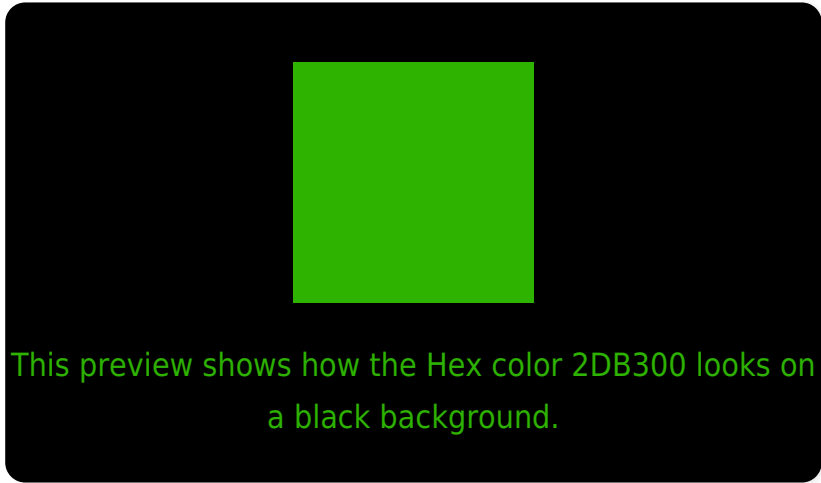
Large Text (above 18pt) WCAG AA × Fail

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

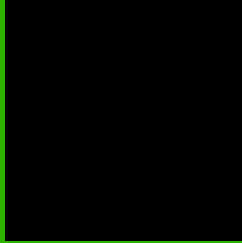
Any Text WCAG AA ✓ Pass

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 2DB300 Background



This preview shows how black text looks on a background with the Hex color 2DB300.

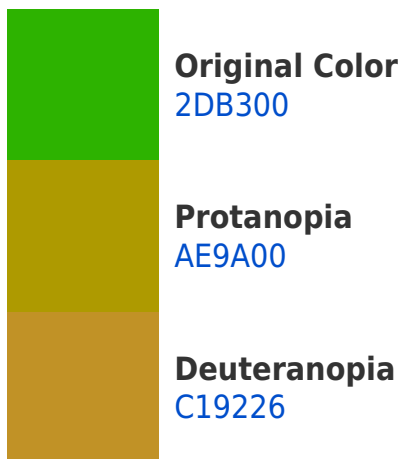


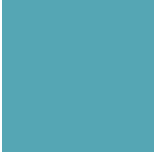
This preview shows how white text looks on a background with the Hex color 2DB300.

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](#).

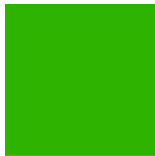
Dichromacy





Tritanopia
55A6B4

Trichromacy



Original Color
2DB300



Protanomaly
7FA300



Deuteranomaly
8B9E18



Tritanomaly
46AB73

Monochromacy



Original Color
2DB300



Achromatopsia
777777



Achromatomaly
5C8D4C

CSS Examples

Text

The CSS property to change the color of the text to Hex 2DB300 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 #2DB300 looks like.

```
.text, #text, p{  
    color:#2DB300  
}
```

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 #2DB300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DB300
}
```

Border

The CSS property to change the border of an element to Hex 2DB300 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
#2DB300 }
```

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

```
.border{ border-color:#2DB300 }
```

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

Here you see how a box with a 4 pixel #2DB300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DB300; -webkit-box-shadow:4px 4px  
4px 4px #2DB300; box-shadow:4px 4px 4px  
4px #2DB300 }
```

Background

The CSS property to change the background color of an element to Hex 2DB300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DB300 }
```

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

```
.background{ background-color:#2DB300 }
```

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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