

Converting Colors

Hex(2DBE57)

Have a look what the booklet for
Hex(2DBE57) contains.

Hex(2DBE57)	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(2DBE57)

Conversions

Conversions Part 1

Format	Color
Hex	2DBE57
RGB	45, 190, 87
RGB Percent	18%, 75%, 34%
CMY	0.8235, 0.2549, 0.6588
CMYK	0.76, 0.00, 0.54, 0.25
HSL	137°, 62%, 46%
HSV	137°, 76%, 75%
XYZ	21.2159, 38.0729, 15.2474
YIQ	134.9030, -53.3570, -62.7730

Conversions

Conversions Part 2

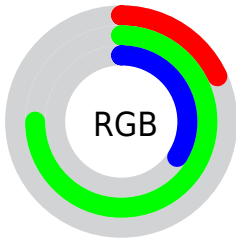
Format	Color
RYB	45, 157, 190
Decimal	2997847
CIELab	68.07, -59.09, 41.10
CIELCh	68, 71.973, 145.179
Yxy	38.0729, 0.2846, 0.5108
Android (android.graphics.Color)	4281187927 (0xFF2DBE57)
YUV	134.9030, -23.6162, -78.8449
Hunter-Lab	61.7033, -46.6056, 28.5412

Details

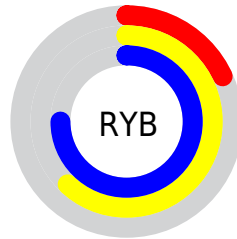
The Hex color **2DBE57** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **BE2D94**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **71F78B**, and **008724** is the 20% darker color. If you saturate the color by 10%, you get **1ABE4A**, and if you desaturate by 10%, it is **40BE64**.

Distribution



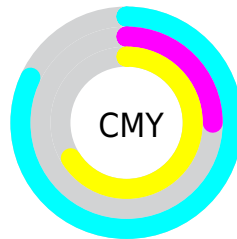
- Red (18%)
- Green (75%)
- Blue (34%)



- Red (18%)
- Yellow (62%)
- Blue (75%)



- Cyan (76%)
- Magenta (0%)
- Yellow (54%)
- Black (25%)



- Cyan (82%)
- Magenta (25%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2DBE57 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 2DBE57 by changing the saturation by 10% instead.

 2DBE57

 2DBE57

FFFFFF

 00A23E

 71F78B

 008724

 90FFA6

 006D06

 AEFFC2

 005300

 CCFFDE

 003B00

 EAFFFB

 002300

 000000

 2DBE57

 2DBE57

 1ABE4A

 40BE64

 07BE3C

 53BE72

 00BE37

 66BE7F

 79BE8D

 8CBE9A

 9FBEA8

 B2BEB5

 C5BEC3

 D8BED0

Harmonies

Analogous

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



90B31B



2DBE57



00C399

Triad

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



2DBE57



00B1FF



FF6B73

Complementary

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



2DBE57



BE2D94

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.



FF65B3



2DBE57



9199FF

Square

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



2DBE57



00BEFF



EA7BF1



FE8539

Rectangle

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



2DBE57



00C4C6



EA7BF1



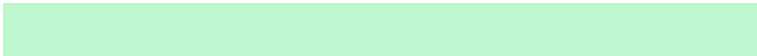
FF6688

Sweetspot

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



2DBE57



BEF7CF



95BE2D



5A7D64



FCFCFC



7D7D7D

Same Dimension

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



2DBE57



14F756



2DBE9F



555E58



009E2E



001F09

Inverse Universe

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



BE2D94



F714B5



BE2D4C



5E555C



9E0070



1F0016

Previews

White Background



This preview shows how the Hex color 2DBE57 looks on a white background.

Color Contrast Check

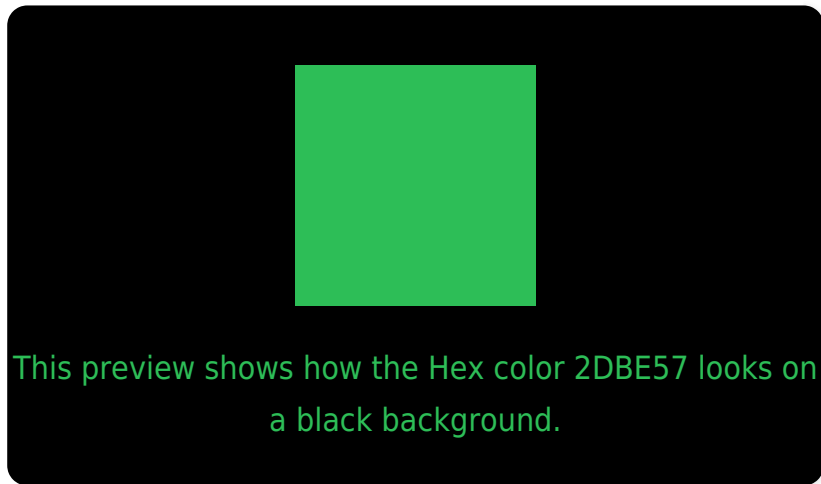
Large Text (above 18pt) WCAG AA × Fail

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 2DBE57 Background



This preview shows how black text looks on a background with the Hex color 2DBE57.

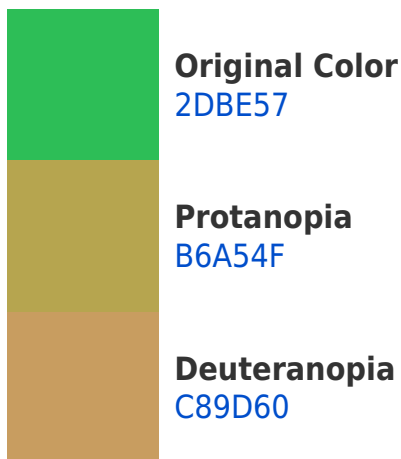


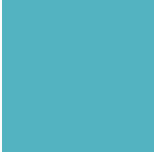
This preview shows how white text looks on a background with the Hex color 2DBE57.

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](#).

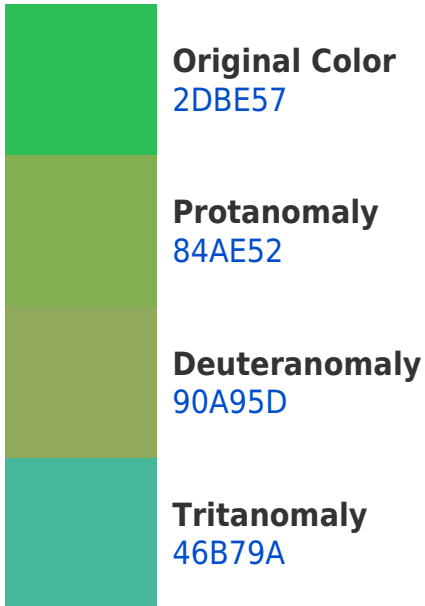
Dichromacy



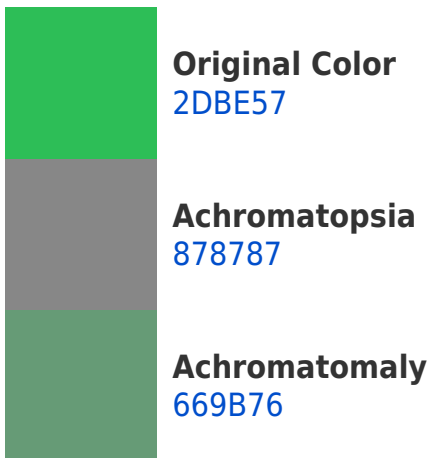


Tritanopia
54B3C1

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2DBE57 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 #2DBE57 looks like.

```
.text, #text, p{  
    color:#2DBE57  
}
```

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 #2DBE57 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DBE57
}
```

Border

The CSS property to change the border of an element to Hex 2DBE57 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
#2DBE57 }
```

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

```
.border{ border-color:#2DBE57 }
```

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

Here you see how a box with a 4 pixel #2DBE57 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DBE57; -webkit-box-shadow:4px 4px  
4px 4px #2DBE57; box-shadow:4px 4px 4px  
4px #2DBE57 }
```

Background

The CSS property to change the background color of an element to Hex 2DBE57 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DBE57 }
```

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

```
.background{ background-color:#2DBE57 }
```

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