

# Converting Colors

Hex(9DBE28)

Have a look what the booklet for  
Hex(9DBE28) contains.

<b>Hex(9DBE28)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(9DBE28)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DBE28
RGB	157, 190, 40
RGB Percent	62%, 75%, 16%
CMY	0.3843, 0.2549, 0.8431
CMYK	0.17, 0.00, 0.79, 0.25
HSL	73°, 65%, 45%
HSV	73°, 79%, 75%
XYZ	32.7011, 44.1482, 8.8054
YIQ	163.0330, 28.4820, -53.6460

# Conversions

## Conversions Part 2

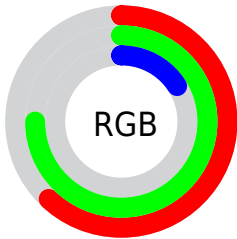
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 190, 73
Decimal	10337832
CIELab	72.33, -30.36, 65.80
CIELCh	72, 72.468, 114.772
Yxy	44.1482, 0.3818, 0.5154
Android (android.graphics.Color)	4288527912 (0xFF9DBE28)
YUV	163.0330, -60.6553, -5.2909
Hunter-Lab	66.4441, -28.4268, 38.6536

# Details

The Hex color **9DBE28** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4928BE**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **D7F663**, and **658900** is the 20% darker color. If you saturate the color by 10%, you get **99BE15**, and if you desaturate by 10%, it is **A1BE3B**.

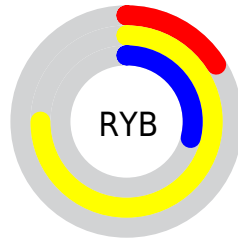
# Distribution



Red (62%)

Green (75%)

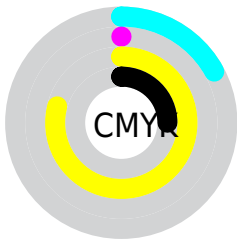
Blue (16%)



Red (16%)

Yellow (75%)

Blue (29%)

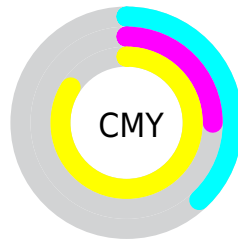


Cyan (17%)

Magenta (0%)

Yellow (79%)

Black (25%)



Cyan (38%)

Magenta (25%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9DBE28 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 9DBE28 by changing the saturation by 10% instead.



 9DBE28

 9DBE28

FFFFFF

 81A300

 D7F663

 658900

 F4FF7E

 4A6F00

 FFFF9A

 2E5600

 FFFFB7

 0F3F00

 FFFFD4

 002900

 FFFFF1

 000F00

 000000

 9DBE28

 9DBE28

■ 99BE15

■ A1BE3B

■ 95BE02

■ A5BE4E

■ 94BE00

■ AABE61

■ AEBE74

■ B2BE87

■ B6BE9A

■ BABEAD

■ BEBEC0

■ C3BED3

# Harmonies

## Analogous

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



DCAA17



9DBE28



3ECA60

# Triad

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



9DBE28



00CBFF



FF71C0

# Complementary

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



9DBE28



4928BE

# 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.



F687FF



9DBE28



00BDFF

# Square

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



9DBE28



00D0E7



9BA5FF



FF767E

# Rectangle

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



9DBE28



00CE8C



9BA5FF



FF76D6



# Sweetspot

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



9DBE28



EAF7BC



BE4928



757D59



FCFCFC



7D7D7D



# Same Dimension

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



9DBE28



C4F70C



53BE28



5C5E55



7B9E00



181F00



# Inverse Universe

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



4928BE



400CF7



9428BE



57555E



23009E



07001F



# Previews

## White Background



This preview shows how the Hex color 9DBE28 looks on a white background.

## Color Contrast Check

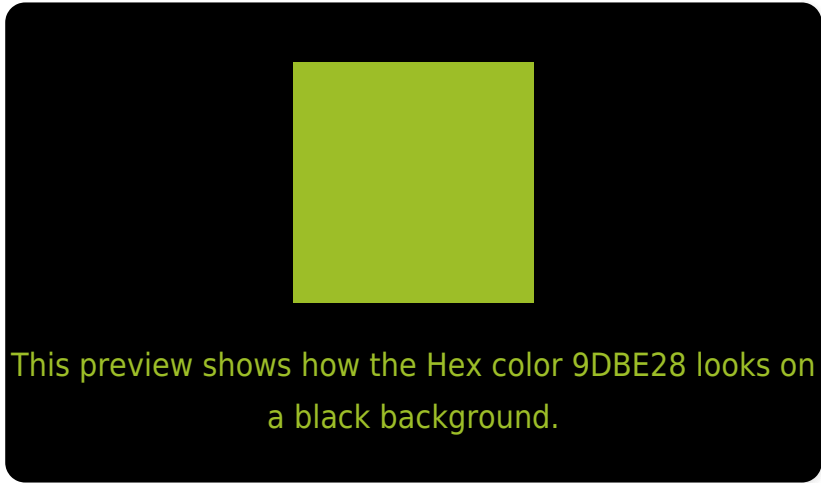
Large Text (above 18pt) WCAG AA × Fail

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 9DBE28 Background



This preview shows how black text looks on a background with the Hex color 9DBE28.



This preview shows how white text looks on a background with the Hex color 9DBE28.

# 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



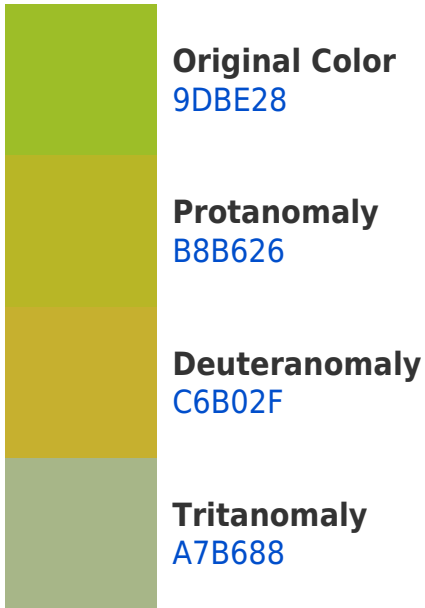
**Original Color**  
9DBE28

**Protanopia**  
C7B125

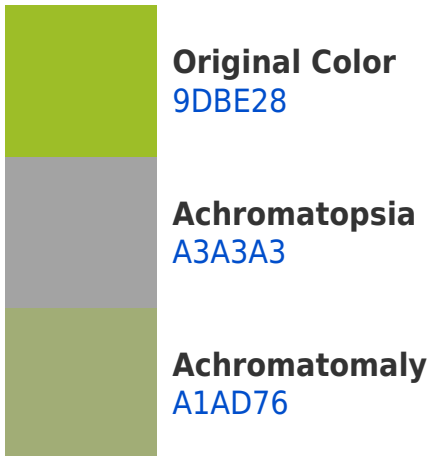
**Deuteranopia**  
DEA833



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9DBE28 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 #9DBE28 looks like.

```
.text, #text, p{  
    color:#9DBE28  
}
```

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 #9DBE28 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9DBE28
}
```

## Border

The CSS property to change the border of an element to Hex 9DBE28 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
#9DBE28 }
```

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

```
.border{ border-color:#9DBE28 }
```

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

Here you see how a box with a 4 pixel #9DBE28 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9DBE28; -webkit-box-shadow:4px 4px  
4px 4px #9DBE28; box-shadow:4px 4px 4px  
4px #9DBE28 }
```

# Background

The CSS property to change the background color of an element to Hex 9DBE28 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9DBE28 }
```

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

```
.background{ background-color:#9DBE28 }
```

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