

# Converting Colors

Hex(8DC644)

Have a look what the booklet for  
Hex(8DC644) contains.

|  |    |
|--|----|
| <b>Hex(8DC644)</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(8DC644)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 8DC644                     |
| RGB           | 141, 198, 68               |
| RGB Percent   | 55%, 78%, 27%              |
| CMY           | 0.4471, 0.2235, 0.7333     |
| CMYK          | 0.29, 0.00, 0.66, 0.22     |
| HSL           | 86°, 53%, 52%              |
| HSV           | 86°, 66%, 78%              |
| XYZ           | 32.2220, 46.4682, 12.7398  |
| YIQ           | 166.1370, 7.7580, -52.5140 |

# Conversions

## Conversions Part 2

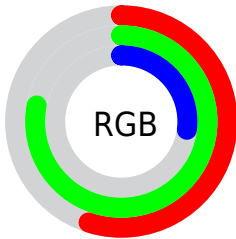
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 68, 198, 125                    |
| Decimal                             | 9291332                         |
| CIELab                              | 73.85, -38.64, 57.09            |
| CIElCh                              | 74, 68.937, 124.091             |
| Yxy                                 | 46.4682, 0.3524,<br>0.5082      |
| Android<br>(android.graphics.Color) | 4287481412<br>(0xFF8DC644)      |
| YUV                                 | 166.1370, -48.3815,<br>-22.0451 |
| Hunter-Lab                          | 68.1676, -34.9186,<br>36.6366   |

# Details

The Hex color **8DC644** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **7D44C6**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **C6FF7A**, and **569000** is the 20% darker color. If you saturate the color by 10%, you get **84C630**, and if you desaturate by 10%, it is **96C658**.

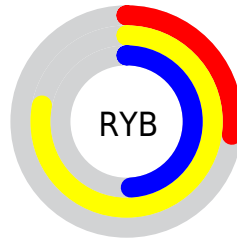
# Distribution



Red (55%)

Green (78%)

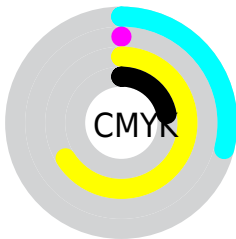
Blue (27%)



Red (27%)

Yellow (78%)

Blue (49%)

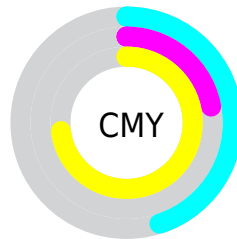


Cyan (29%)

Magenta (0%)

Yellow (66%)

Black (22%)



Cyan (45%)

Magenta (22%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8DC644 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 8DC644 by changing the saturation by 10% instead.





8DC644



8DC644

FFFFFF



71AB28



C6FF7A



569000



E3FF95



3A7600



FFFFB1



1D5D00



FFFFCE



004500



FFFFEB



002E00



001600



000000



8DC644



8DC644

 84C630

 96C658

 7CC61C

 9EC66C

 73C609

 A7C67F

 6FC600

 B0C693

 B8C6A7

 C1C6BB

 CAC6CF

 D2C6E2

 DBC6F6

# Harmonies

## Analogous

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



CEB528



8DC644



06D07B

# Triad

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



8DC644



00CAFF



FF79AF

# Complementary

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



8DC644



7D44C6

# 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.



FF86EE



8DC644



1EBAFF

# Square

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



8DC644



00D2FB



C3A1FF



FF8572

# Rectangle

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



8DC644



00D3A6



C3A1FF



FF7BC5



# Sweetspot

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



8DC644



E9FFCC



C67C44



728061



000000



808080



# Same Dimension

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



8DC644



A7FF36



4DC644



5F635A



5CA300



142400



# Inverse Universe

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



7D44C6



8E36FF



BD44C6



5E5A63



4800A3



100024



# Previews

## White Background



This preview shows how the Hex color 8DC644 looks on a white background.

## Color Contrast Check

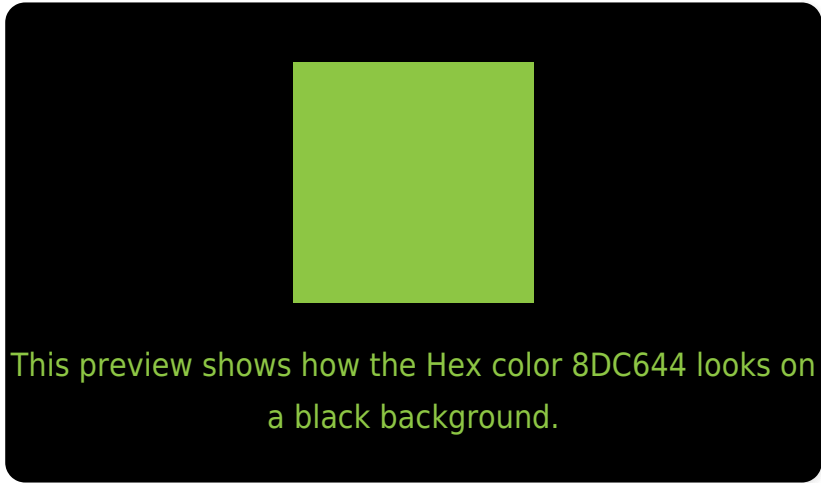
Large Text (above 18pt) WCAG AA × Fail

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 8DC644 Background



This preview shows how black text looks on a background with the Hex color 8DC644.



This preview shows how white text looks on a background with the Hex color 8DC644.

# 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**  
8DC644

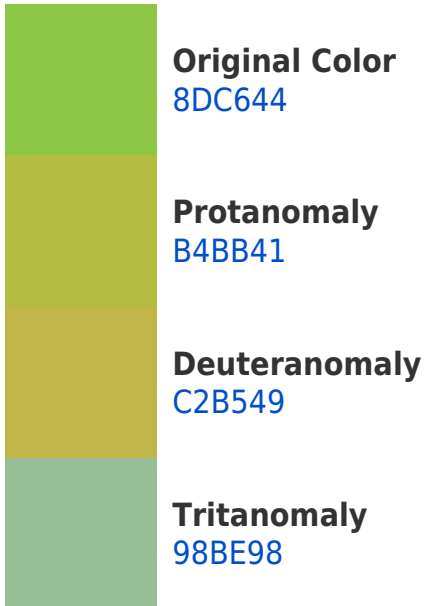
**Protanopia**  
CAB53F

**Deuteranopia**  
E0AC4C

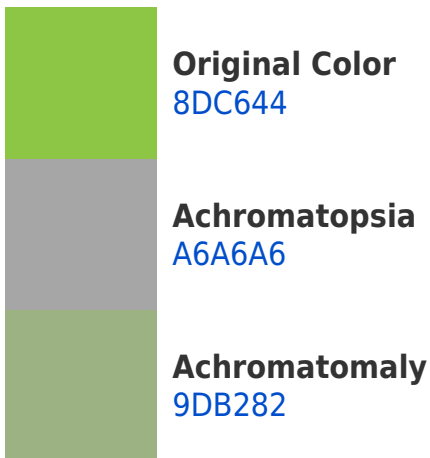


**Tritanopia**  
9EB9C8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8DC644 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 #8DC644 looks like.

```
.text, #text, p{  
    color:#8DC644  
}
```

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 #8DC644 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8DC644
}
```

## Border

The CSS property to change the border of an element to Hex 8DC644 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
#8DC644 }
```

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

```
.border{ border-color:#8DC644 }
```

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

Here you see how a box with a 4 pixel #8DC644 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8DC644; -webkit-box-shadow:4px 4px  
4px 4px #8DC644; box-shadow:4px 4px 4px  
4px #8DC644 }
```

# Background

The CSS property to change the background color of an element to Hex 8DC644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8DC644 }
```

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

```
.background{ background-color:#8DC644 }
```

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