

# Converting Colors

Hex(8EA133)

Have a look what the booklet for  
Hex(8EA133) contains.

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**Color**

**Hex(8EA133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EA133
RGB	142, 161, 51
RGB Percent	56%, 63%, 20%
CMY	0.4431, 0.3686, 0.8000
CMYK	0.12, 0.00, 0.68, 0.37
HSL	70°, 52%, 42%
HSV	70°, 68%, 63%
XYZ	24.4977, 31.4795, 7.9170
YIQ	142.7790, 23.9860, -38.2380

# Conversions

## Conversions Part 2

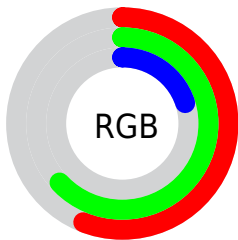
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 161, 70
Decimal	9347379
CIELab	62.91, -21.93, 52.58
CIELCh	63, 56.967, 112.643
Yxy	31.4795, 0.3834, 0.4927
Android (android.graphics.Color)	4287537459 (0xFF8EA133)
YUV	142.7790, -45.2470, -0.6832
Hunter-Lab	56.1066, -20.2485, 30.9085

# Details

The Hex color **8EA133** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4633A1**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **C6D868**, and **586D00** is the 20% darker color. If you saturate the color by 10%, you get **8BA123**, and if you desaturate by 10%, it is **91A143**.

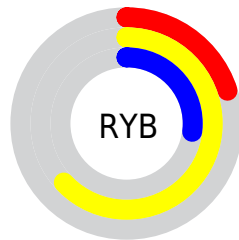
# Distribution



Red (56%)

Green (63%)

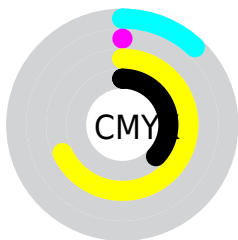
Blue (20%)



Red (20%)

Yellow (63%)

Blue (27%)

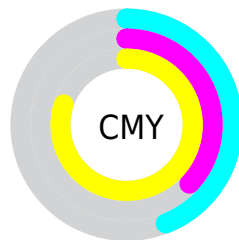


Cyan (12%)

Magenta (0%)

Yellow (68%)

Black (37%)



Cyan (44%)

Magenta (37%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8EA133 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 8EA133 by changing the saturation by 10% instead.





8EA133



8EA133

FFFFFF



738716



C6D868



586D00



E3F482



3F5500



FFFF9E



253E00



FFFFB9



092800



FFFFD6



001200



FFFFF3



000000



8EA133



8EA133



8BA123



91A143

■ 88A113

■ 94A153

■ 86A103

■ 96A163

■ 85A100

■ 99A173

■ 9CA184

■ 9FA194

■ A1A1A4

■ A4A1B4

■ A7A1C4

# Harmonies

## Analogous

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



BE912D



8EA133



4EAB58

# Triad

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



8EA133



00ACE8



EE6BA7

# Complementary

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



8EA133



4633A1

# 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.



CA7BD6



8EA133



00A2FD

# Square

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



8EA133



00B1BE



8490F6



F46D74

# Rectangle

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



8EA133



00AF78



8490F6



E56FB8



# Sweetspot

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



8EA133



CAD1A7



A14533



64694F



E8E8E8



696969



# Same Dimension

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



8EA133



B3D126



58A133



505249



789100



0F1200



# Inverse Universe

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



4633A1



4326D1



7C33A1



4B4952



190091



030012



# Previews

## White Background



This preview shows how the Hex color 8EA133 looks on a white background.

## Color Contrast Check

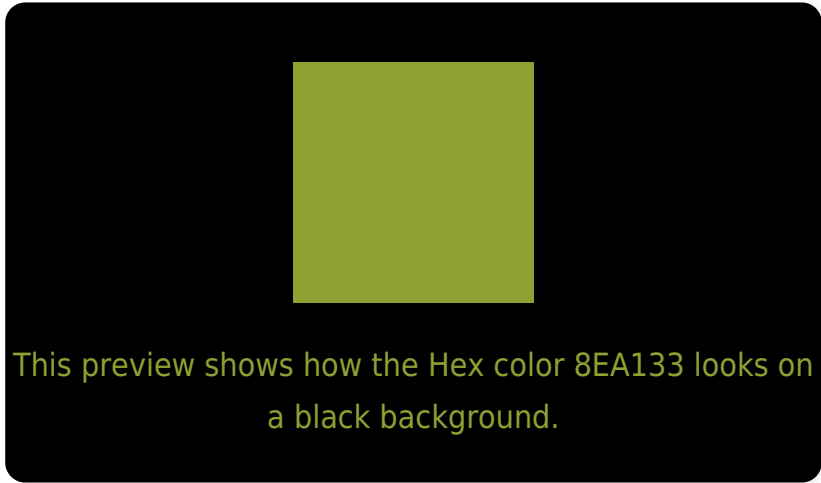
Large Text (above 18pt) WCAG AA × Fail

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 8EA133 Background



This preview shows how black text looks on a background with the Hex color 8EA133.



This preview shows how white text looks on a background with the Hex color 8EA133.

# 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**  
8EA133

**Protanopia**  
AA9831

**Deuteranopia**  
BD9039



**Tritanopia**  
9996A2

# Trichromacy



**Original Color**  
8EA133

**Protanomaly**  
A09B32

**Deuteranomaly**  
AC9637

**Tritanomaly**  
959A7A

# Monochromacy



**Original Color**  
8EA133

**Achromatopsia**  
8F8F8F

**Achromatomaly**  
8F966E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8EA133 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 #8EA133 looks like.

```
.text, #text, p{  
    color:#8EA133  
}
```

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 #8EA133 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8EA133
}
```

## Border

The CSS property to change the border of an element to Hex 8EA133 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
#8EA133 }
```

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

```
.border{ border-color:#8EA133 }
```

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

Here you see how a box with a 4 pixel #8EA133 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8EA133; -webkit-box-shadow:4px 4px  
4px 4px #8EA133; box-shadow:4px 4px 4px  
4px #8EA133 }
```

# Background

The CSS property to change the background color of an element to Hex 8EA133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8EA133 }
```

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

```
.background{ background-color:#8EA133 }
```

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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