

# Converting Colors

Hex(83991F)

Have a look what the booklet for  
Hex(83991F) contains.

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**Color**

**Hex(83991F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83991F
RGB	131, 153, 31
RGB Percent	51%, 60%, 12%
CMY	0.4863, 0.4000, 0.8784
CMYK	0.14, 0.00, 0.80, 0.40
HSL	71°, 66%, 36%
HSV	71°, 80%, 60%
XYZ	20.9986, 27.7067, 5.5375
YIQ	132.5140, 26.0500, -42.6060

# Conversions

## Conversions Part 2

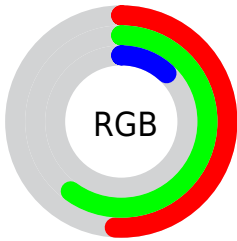
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 153, 53
Decimal	8624415
CIE <sub>Lab</sub>	59.62, -23.70, 56.28
CIE <sub>LCh</sub>	60, 61.069, 112.831
Yxy	27.7067, 0.3871, 0.5108
Android (android.graphics.Color)	4286814495 (0xFF83991F)
YUV	132.5140, -50.0464, -1.3278
Hunter-Lab	52.6371, -20.9057, 30.6086

# Details

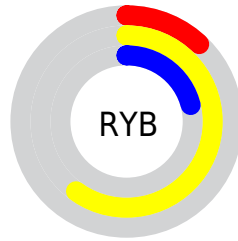
The Hex color **83991F** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **351F99**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **BBCF57**, and **4D6600** is the 20% darker color. If you saturate the color by 10%, you get **809910**, and if you desaturate by 10%, it is **86992E**.

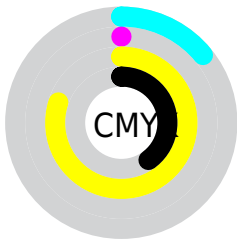
# Distribution



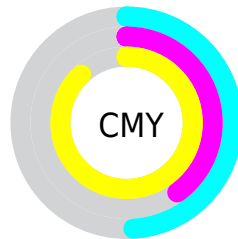
- Red (51%)
- Green (60%)
- Blue (12%)



- Red (12%)
- Yellow (60%)
- Blue (21%)



- Cyan (14%)
- Magenta (0%)
- Yellow (80%)
- Black (40%)



- Cyan (49%)
- Magenta (40%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83991F 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 83991F by changing the saturation by 10% instead.





83991F



83991F

FFFFFF



687F00



BBCF57



4D6600



D8EC71



344E00



F5FF8D



193700



FFFFA8



002200



FFFFC4



000000



FFFFE1

FFFFFFE



83991F



83991F

■ 809910

■ 86992E

■ 7D9900

■ 89993E

■ 8B994D

■ 8E995C

■ 91996B

■ 94997B

■ 96998A

■ 999999

■ 9C99A9

# Harmonies

## Analogous

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



B68816



83991F



3BA34B

# Triad

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



83991F



00A5E4



EA5D9F

# Complementary

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



83991F



351F99

# 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.



C46FD1



83991F



009AFA

# Square

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



83991F



00A9B8



7787F3



F05F69

# Rectangle

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



83991F



00A76E



7787F3



E161B1



# Sweetspot

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



83991F



BEC797



99331F



5E6347



E3E3E3



636363



# Same Dimension

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



83991F



A4C708



48991F



4B4D45



738C00



0A0D00



# Inverse Universe

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



351F99



2A08C7



701F99



46454D



19008C



02000D



# Previews

## White Background



This preview shows how the Hex color 83991F looks on a white background.

## Color Contrast Check

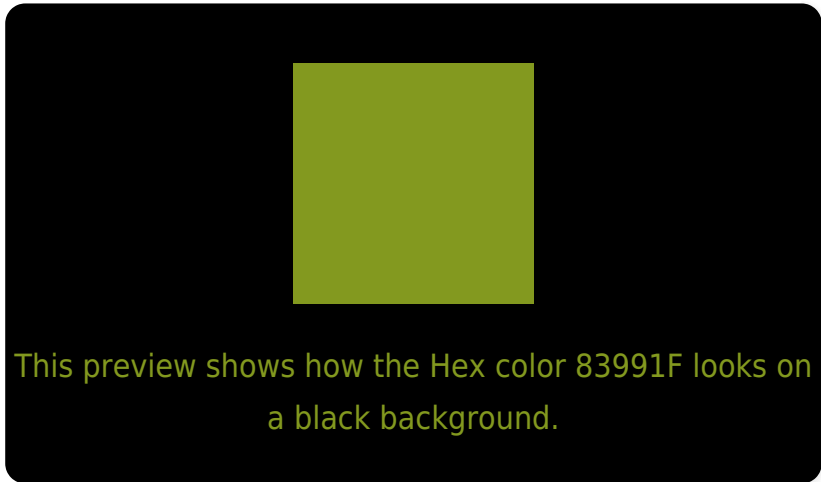
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 83991F Background



This preview shows how black text looks on a background with the Hex color 83991F.

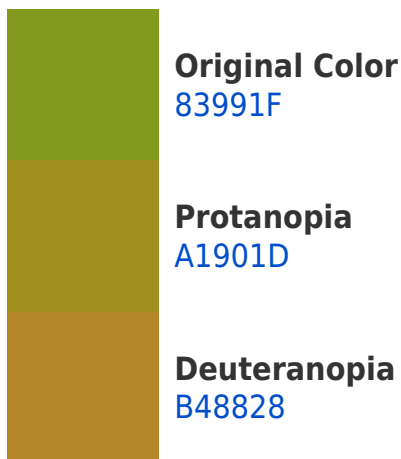


This preview shows how white text looks on a background with the Hex color 83991F.

# 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](#).

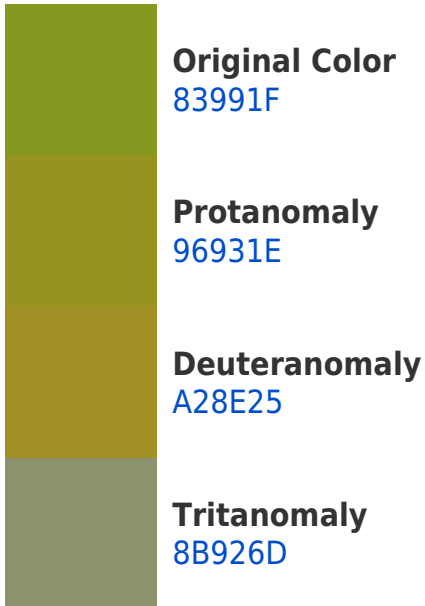
## Dichromacy



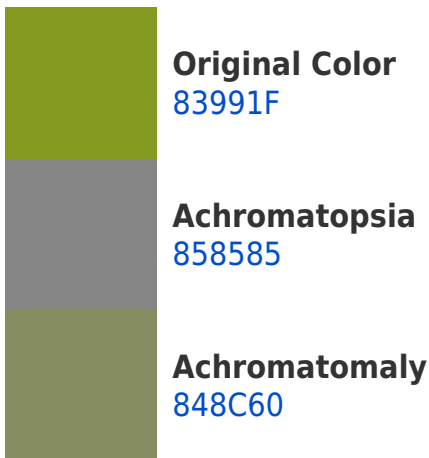


**Tritanopia**  
8F8E9A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83991F 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 #83991F looks like.

```
.text, #text, p{  
    color:#83991F  
}
```

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 #83991F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83991F
}
```

## Border

The CSS property to change the border of an element to Hex 83991F 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
#83991F }
```

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

```
.border{ border-color:#83991F }
```

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

Here you see how a box with a 4 pixel #83991F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83991F; -webkit-box-shadow:4px 4px  
4px 4px #83991F; box-shadow:4px 4px 4px  
4px #83991F }
```

# Background

The CSS property to change the background color of an element to Hex 83991F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83991F }
```

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

```
.background{ background-color:#83991F }
```

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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