

# Converting Colors

Hex(FBD83A)

Have a look what the booklet for  
Hex(FBD83A) contains.

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**Color**

**Hex(FBD83A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBD83A
RGB	251, 216, 58
RGB Percent	98%, 85%, 23%
CMY	0.0157, 0.1529, 0.7725
CMYK	0.00, 0.14, 0.77, 0.02
HSL	49°, 96%, 61%
HSV	49°, 77%, 98%
XYZ	65.1032, 69.9265, 14.0688
YIQ	208.4530, 71.5780, -41.7180

# Conversions

## Conversions Part 2

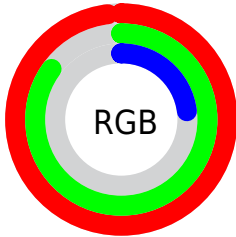
Format	Color
<a href="#">RYB</a>	<a href="#">101, 251, 58</a>
Decimal	<a href="#">16504890</a>
CIELab	<a href="#">86.96, -3.05, 76.41</a>
CIElCh	<a href="#">87, 76.469, 92.284</a>
Yxy	<a href="#">69.9265, 0.4366, 0.4690</a>
Android (android.graphics.Color)	<a href="#">4294694970 (0xFFFB83A)</a>
YUV	<a href="#">208.4530, -74.1733, 37.3137</a>
Hunter-Lab	<a href="#">83.6220, -7.3689, 48.5603</a>

# Details

The Hex color **FBD83A** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **3A5DFB**, and the grayscale version is **D1D1D1**.

A 20% lighter version of the original color is **FFFF75**, and **BEA200** is the 20% darker color. If you saturate the color by 10%, you get **FBD321**, and if you desaturate by 10%, it is **FBDD53**.

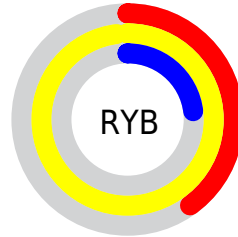
# Distribution



Red (98%)

Green (85%)

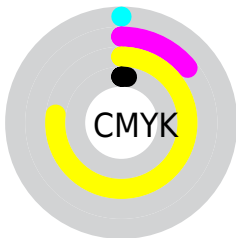
Blue (23%)



Red (40%)

Yellow (98%)

Blue (23%)

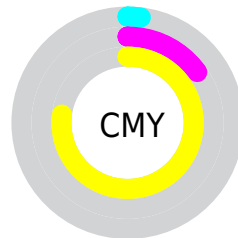


Cyan (0%)

Magenta (14%)

Yellow (77%)

Black (2%)



Cyan (2%)

Magenta (15%)

Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FBD83A 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 FBD83A by changing the saturation by 10% instead.



 FBD83A

 FBD83A

FFFFFF

 DCBC13

 FFFF75

 BEA200

 FFFF91

 A08800

 FFFFAE


 836F00

 FFFF CB

 675700

 FFFF E8

 4B4000

 312A00

 191600

 000000

 FBD83A

 FBD83A

 FBD321

 FBDD53

 FBCF08

 FBE16C

 FBCD00

 FBE685

 FBEA9E

 FBEBF8

 FBF3D1

 FBF8EA

 FBFCFF

 FBFFFF

# Harmonies

## Analogous

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



FFBD57



FBD83A



B1EC55

# Triad

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



FBD83A



00FBFF



FFA6FF

# Complementary

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



FBD83A



3A5DFB

# 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.



E3C4FF



FBD83A



00F3FF

# Square

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



FBD83A



00FDDD



1DE0FF



FF96D7

# Rectangle

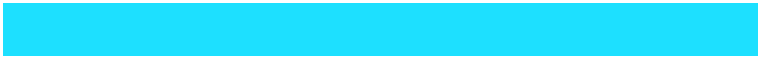
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FBD83A



70F57C



1DE0FF



FFAFFF



# Sweetspot

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



FBD83A



FFF4C4



FB3A5D



80795C



000000



808080



# Same Dimension

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



FBD83A



FFD414



BEFB3A



7D7B70



BD9A00



3D3200



# Inverse Universe

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



3A5DFB



143FFF



773AFB



70737D



0022BD



000B3D



# Previews

## White Background



This preview shows how the Hex color FBD83A looks on a white background.

## Color Contrast Check

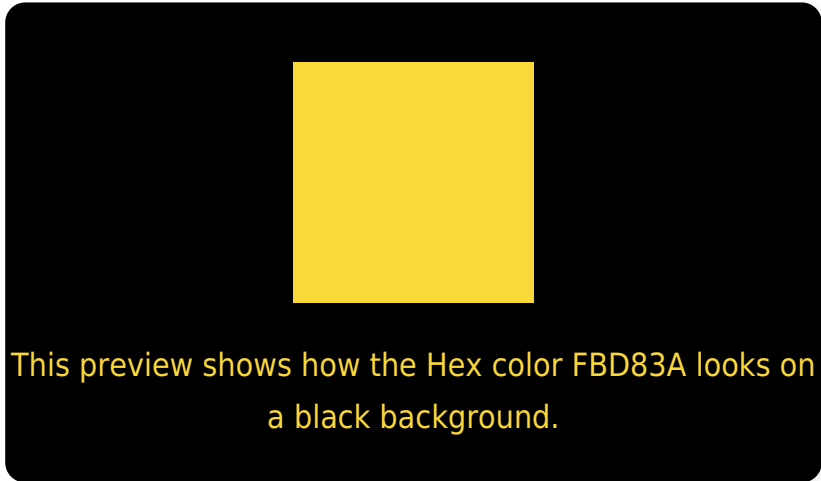
Large Text (above 18pt) WCAG AA × Fail

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 FBD83A Background



This preview shows how black text looks on a background with the Hex color FBD83A.



This preview shows how white text looks on a background with the Hex color FBD83A.

# 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**  
FBD83A

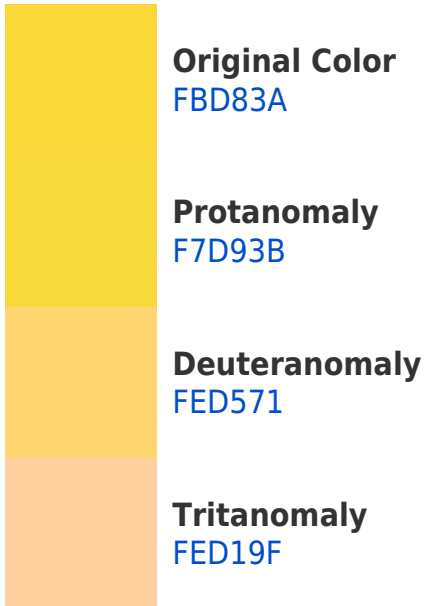
**Protanopia**  
F5DA3B

**Deuteranopia**  
FFD390

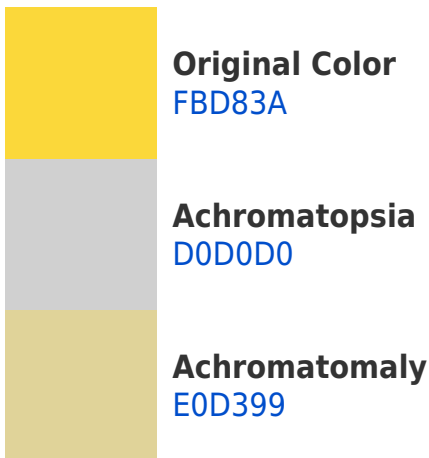


**Tritanopia**  
FFCDD9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FBD83A 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 #FBD83A looks like.

```
.text, #text, p{  
    color:#FBD83A  
}
```

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 #FBD83A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FBD83A
}
```

## Border

The CSS property to change the border of an element to Hex FBD83A 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
#FBD83A }
```

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

```
.border{ border-color:#FBD83A }
```

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

Here you see how a box with a 4 pixel #FBD83A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FBD83A; -webkit-box-shadow:4px 4px  
4px 4px #FBD83A; box-shadow:4px 4px 4px  
4px #FBD83A }
```

# Background

The CSS property to change the background color of an element to Hex FBD83A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FBD83A }
```

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

```
.background{ background-color:#FBD83A }
```

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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