

# Converting Colors

Hex(64F73B)

Have a look what the booklet for  
Hex(64F73B) contains.

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# Color

Hex(64F73B)

# Conversions

## Conversions Part 1

Format	Color
Hex	64F73B
RGB	100, 247, 59
RGB Percent	39%, 97%, 23%
CMY	0.6078, 0.0314, 0.7686
CMYK	0.60, 0.00, 0.76, 0.03
HSL	107°, 92%, 60%
HSV	107°, 76%, 97%
XYZ	39.3057, 69.5466, 15.4899
YIQ	181.6150, -27.2640, -89.6320

# Conversions

## Conversions Part 2

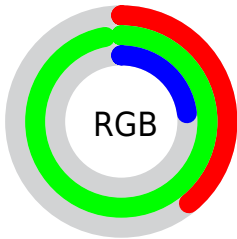
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 247, 206
Decimal	6616891
CIELab	86.77, -70.48, 72.79
CIELCh	87, 101.319, 134.075
Yxy	69.5466, 0.3161, 0.5593
Android (android.graphics.Color)	4284806971 (0xFF64F73B)
YUV	181.6150, -60.4492, -71.5764
Hunter-Lab	83.3946, -61.8096, 47.3636

# Details

The Hex color **64F73B** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **CE3BF7**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **A5FF77**, and **00BD00** is the 20% darker color. If you saturate the color by 10%, you get **51F722**, and if you desaturate by 10%, it is **77F754**.

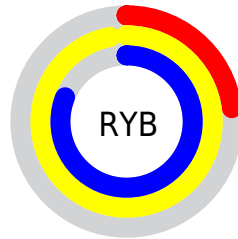
# Distribution



Red (39%)

Green (97%)

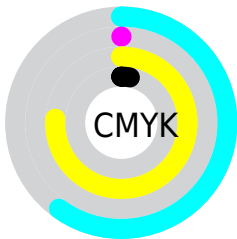
Blue (23%)



Red (23%)

Yellow (97%)

Blue (81%)

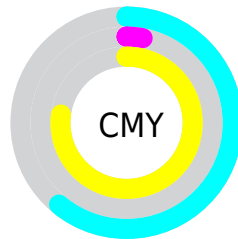


Cyan (60%)

Magenta (0%)

Yellow (76%)

Black (3%)



Cyan (61%)

Magenta (3%)

Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64F73B 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 64F73B by changing the saturation by 10% instead.



 64F73B

 64F73B

FFFFFF

 3FDA12

 A5FF77

 00BD00

 C4FF94

 00A100

 E3FFB1

 008600

 FFFFCE

 006B00

 FFFFEB

 005100

 003A00

 001F00

 000000

 64F73B

 64F73B

 51F722

 77F754

 3DF70A

 8BF76C

 36F700

 9EF785

 B1F79E

 C5F7B6

 D8F7CF

 EBF7E8

 FFF7FF

# Harmonies

## Analogous

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



DAE300



64F73B



00FFA1

# Triad

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



64F73B



00F3FF



FF6EB0

# Complementary

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



64F73B



CE3BF7

# 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.



FF79FF



64F73B



32D6FF

# Square

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



64F73B



00FFFF



FFA9FF



FF9555

# Rectangle

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



64F73B



00FFE4



FFA9FF



FF6BD0

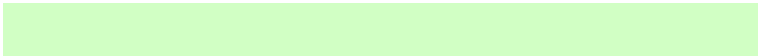


# Sweetspot

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



64F73B



D1FFC4



F7CB3B



64805C



000000



808080



# Same Dimension

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



64F73B



4AFF17



3BF76D



717A6E



29BA00



0D3B00



# Inverse Universe

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



CE3BF7



CC17FF



F73BC5



786E7A



9200BA

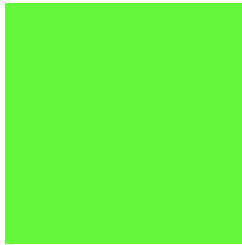


2E003B



# Previews

## White Background



This preview shows how the Hex color 64F73B looks on a white background.

## Color Contrast Check

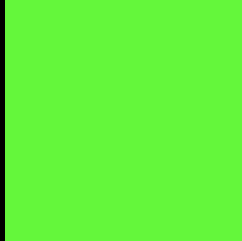
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 64F73B looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

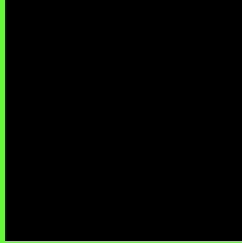
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

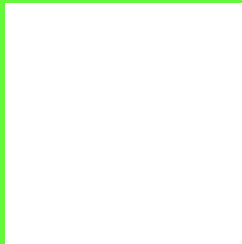
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 64F73B Background



This preview shows how black text looks on a background with the Hex color 64F73B.

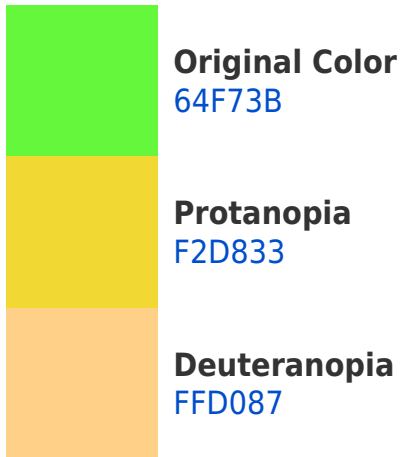


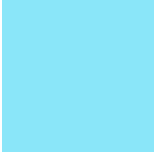
This preview shows how white text looks on a background with the Hex color 64F73B.

# 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](#).

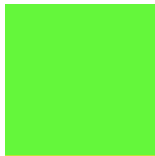
## Dichromacy





**Tritanopia**  
8AE6F9

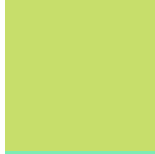
# Trichromacy



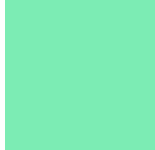
**Original Color**  
64F73B



**Protanomaly**  
BEE336



**Deuteranomaly**  
C7DE6B

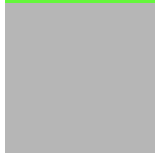


**Tritanomaly**  
7CECB4

# Monochromacy



**Original Color**  
64F73B



**Achromatopsia**  
B6B6B6



**Achromatomaly**  
98CE89

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64F73B 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 #64F73B looks like.

```
.text, #text, p{  
    color:#64F73B  
}
```

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 #64F73B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64F73B
}
```

## Border

The CSS property to change the border of an element to Hex 64F73B 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
#64F73B }
```

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

```
.border{ border-color:#64F73B }
```

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

Here you see how a box with a 4 pixel #64F73B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64F73B; -webkit-box-shadow:4px 4px  
4px 4px #64F73B; box-shadow:4px 4px 4px  
4px #64F73B }
```

# Background

The CSS property to change the background color of an element to Hex 64F73B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64F73B }
```

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

```
.background{ background-color:#64F73B }
```

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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