

# Converting Colors

Hex(66B34F)

Have a look what the booklet for  
Hex(66B34F) contains.

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# **Color**

**Hex(66B34F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66B34F
RGB	102, 179, 79
RGB Percent	40%, 70%, 31%
CMY	0.6000, 0.2980, 0.6902
CMYK	0.43, 0.00, 0.56, 0.30
HSL	106°, 40%, 51%
HSV	106°, 56%, 70%
XYZ	23.0109, 35.6295, 13.0615
YIQ	144.5770, -13.7920, -47.4240

# Conversions

## Conversions Part 2

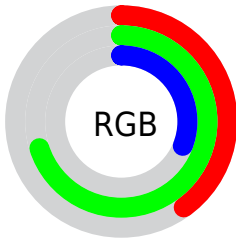
Format	Color
<a href="#">RYB</a>	<a href="#">79, 179, 156</a>
Decimal	<a href="#">6730575</a>
CIELab	<a href="#">66.24, -42.84, 43.15</a>
CIELCh	<a href="#">66, 60.802, 134.793</a>
Yxy	<a href="#">35.6295, 0.3209, 0.4969</a>
Android (android.graphics.Color)	<a href="#">4284920655 (0xFF66B34F)</a>
YUV	<a href="#">144.5770, -32.3295, -37.3400</a>
Hunter-Lab	<a href="#">59.6904, -35.6459, 28.8094</a>

# Details

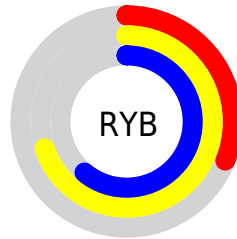
The Hex color **66B34F** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **9C4FB3**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **9DEB83**, and **2E7D1C** is the 20% darker color. If you saturate the color by 10%, you get **58B33D**, and if you desaturate by 10%, it is **74B361**.

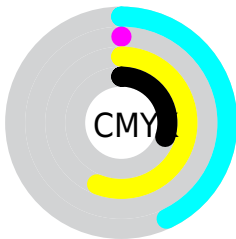
# Distribution



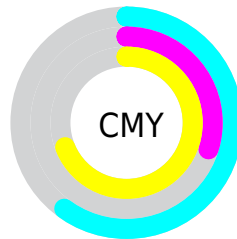
- Red (40%)
- Green (70%)
- Blue (31%)



- Red (31%)
- Yellow (70%)
- Blue (61%)



- Cyan (43%)
- Magenta (0%)
- Yellow (56%)
- Black (30%)



- Cyan (60%)
- Magenta (30%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66B34F 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 66B34F by changing the saturation by 10% instead.





66B34F



66B34F

FFFFFF



4A9836



9DEB83



2E7D1C



BAFF9E



066400



D7FFB9



004B00



F4FFD5



003400



FFFFFF2



001E00



000000



66B34F



66B34F



58B33D



74B361

 4AB32B

 82B373

 3DB319

 8FB385

 2FB307

 9DB397

 29B300

 ABB3A9

 B9B3BA

 C6B3CC

 D4B3DE

 E2B3F0

# Harmonies

## Analogous

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



A4A72D



66B34F



00BA82

# Triad

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



66B34F



00AFFF



FF6F88

# Complementary

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



66B34F



9C4FB3

# 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.



F673BF



66B34F



6D9EFF

# Square

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



66B34F



00B8ED



C787EF



F87F56

# Rectangle

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



66B34F



00BBA8



C787EF



FF6E9A



# Sweetspot

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



66B34F



CAE8C1



B39C4F



63755E



F5F5F5



757575



# Same Dimension

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



66B34F



70E84D



4FB36A



525950



239900



061A00



# Inverse Universe

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



9C4FB3



C44DE8



B34F98



575059



760099



14001A



# Previews

## White Background



This preview shows how the Hex color 66B34F looks on a white background.

## Color Contrast Check

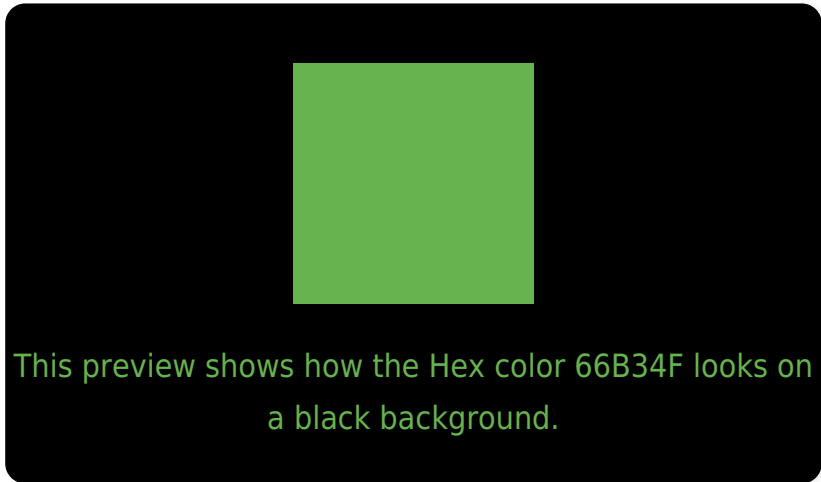
Large Text (above 18pt) WCAG AA × Fail

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

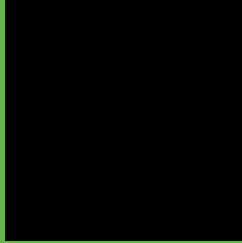
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 66B34F Background



This preview shows how black text looks on a background with the Hex color 66B34F.



This preview shows how white text looks on a background with the Hex color 66B34F.

# 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](#).

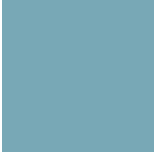
## Dichromacy



**Original Color**  
66B34F

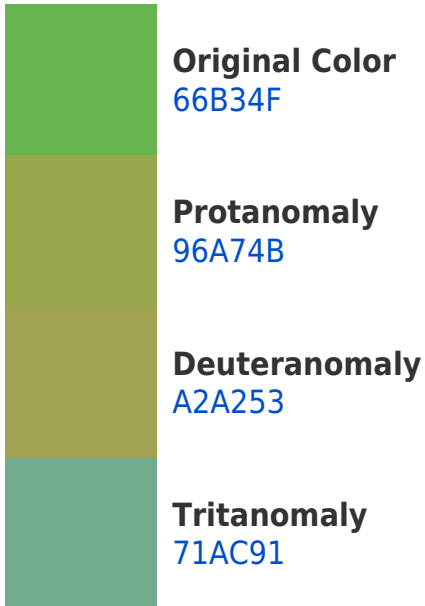
**Protanopia**  
B2A049

**Deuteranopia**  
C49956

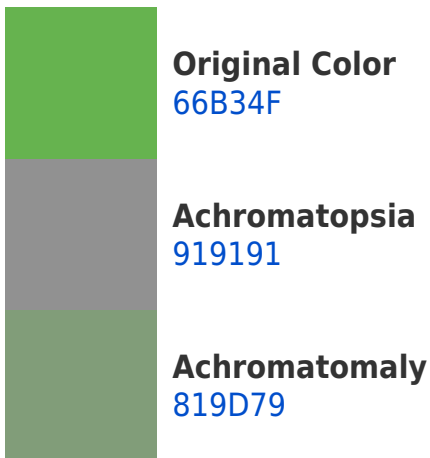


**Tritanopia**  
78A8B6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66B34F 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 #66B34F looks like.

```
.text, #text, p{  
    color:#66B34F  
}
```

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 #66B34F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66B34F
}
```

## Border

The CSS property to change the border of an element to Hex 66B34F 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
#66B34F }
```

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

```
.border{ border-color:#66B34F }
```

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

Here you see how a box with a 4 pixel #66B34F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66B34F; -webkit-box-shadow:4px 4px  
4px 4px #66B34F; box-shadow:4px 4px 4px  
4px #66B34F }
```

# Background

The CSS property to change the background color of an element to Hex 66B34F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66B34F }
```

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

```
.background{ background-color:#66B34F }
```

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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