

# Converting Colors

Hex(6BE80A)

Have a look what the booklet for  
Hex(6BE80A) contains.

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**Color**

**Hex(6BE80A)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 6BE80A                      |
| RGB         | 107, 232, 10                |
| RGB Percent | 42%, 91%, 4%                |
| CMY         | 0.5804, 0.0902, 0.9608      |
| CMYK        | 0.54, 0.00, 0.96, 0.09      |
| HSL         | 94°, 92%, 47%               |
| HSV         | 94°, 96%, 91%               |
| XYZ         | 34.9748, 60.8609, 10.1911   |
| YIQ         | 169.3170, -3.2380, -95.5420 |

# Conversions

## Conversions Part 2

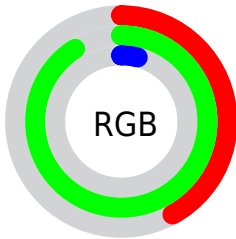
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 10, 232, 135                    |
| Decimal                             | 7071754                         |
| CIELab                              | 82.30, -65.43, 78.68            |
| CIELCh                              | 82, 102.332, 129.745            |
| Yxy                                 | 60.8609, 0.3299,<br>0.5740      |
| Android<br>(android.graphics.Color) | 4285261834<br>(0xFF6BE80A)      |
| YUV                                 | 169.3170, -78.5433,<br>-54.6520 |
| Hunter-Lab                          | 78.0134, -56.4988,<br>46.8642   |

# Details

The Hex color **6BE80A** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **870AE8**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **AAFF5B**, and **1CAF00** is the 20% darker color. If you saturate the color by 10%, you get **65E800**, and if you desaturate by 10%, it is **78E821**.

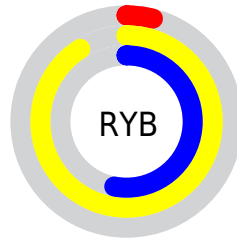
# Distribution



Red (42%)

Green (91%)

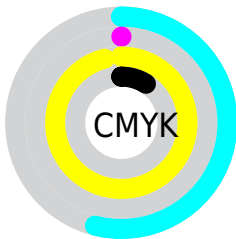
Blue (4%)



Red (4%)

Yellow (91%)

Blue (53%)

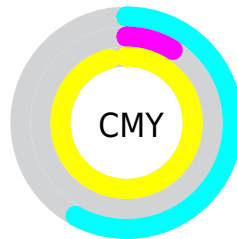


Cyan (54%)

Magenta (0%)

Yellow (96%)

Black (9%)



Cyan (58%)

Magenta (9%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6BE80A 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 6BE80A by changing the saturation by 10% instead.



 6BE80A

 6BE80A

FFFFFF

 49CB00

 AAFF5B

 1CAF00

 C8FF79

 009400

 E7FF96

 007900

 FFFFB3

 005F00

 FFFFD1

 004500

 FFFFEE

 002E00

 000F00

 000000

 6BE80A

 6BE80A

 65E800

 78E821

 85E838

 92E850

 9FE867

 ACE87E

 B9E895

 C6E8AC

 D4E8C4

 E1E8DB

# Harmonies

## Analogous

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



D9D300



6BE80A



00F386

# Triad

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



6BE80A



00E9FF



FF58B2

# Complementary

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



6BE80A



870AE8

# 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.



FF6EFF



6BE80A



00CFFF

# Square

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



6BE80A



00F5FF



F5A3FF



FF7F55

# Rectangle

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



6BE80A



00F6C9



F5A3FF



FF58D2

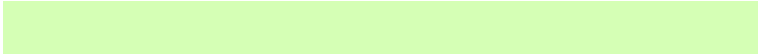


# Sweetspot

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



6BE80A



D5FFB5



E8840A



668053



000000



808080



# Same Dimension

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



6BE80A



6FFF00



0AE815



6C7367



4EB300



163300



# Inverse Universe

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



870AE8



9000FF



E80ADD



6E6773



6500B3

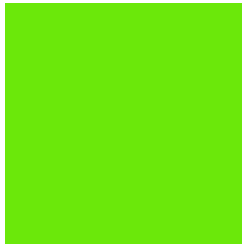


1D0033



# Previews

## White Background



This preview shows how the Hex color 6BE80A looks on a white background.

## Color Contrast Check

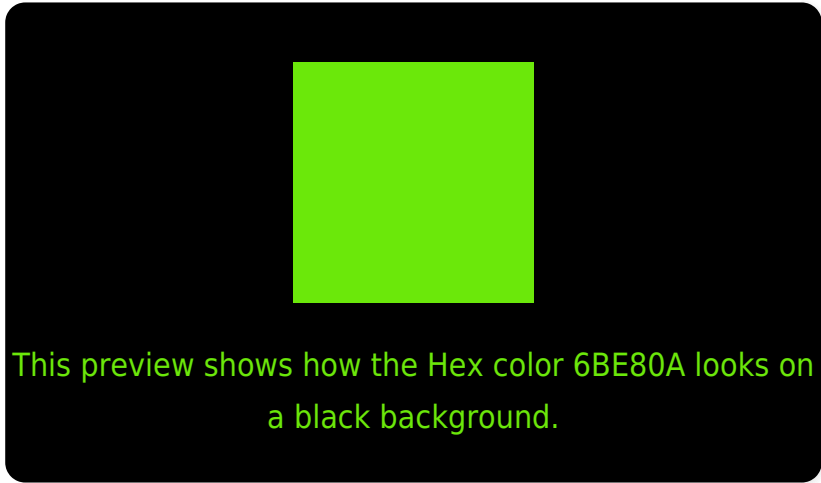
Large Text (above 18pt) WCAG AA × Fail

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

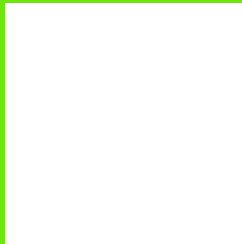
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 6BE80A Background



This preview shows how black text looks on a background with the Hex color 6BE80A.



This preview shows how white text looks on a background with the Hex color 6BE80A.

# 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](#).

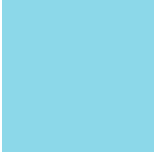
## Dichromacy



**Original Color**  
6BE80A

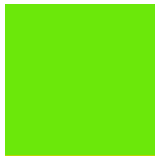
**Protanopia**  
E5CC00

**Deuteranopia**  
FFC137



**Tritanopia**  
8CD8E9

# Trichromacy



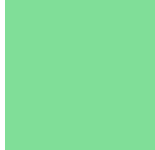
**Original Color**  
6BE80A



**Protanomaly**  
B9D604



**Deuteranomaly**  
C9CF27

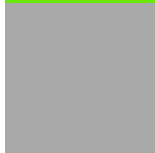


**Tritanomaly**  
80DE98

# Monochromacy



**Original Color**  
6BE80A



**Achromatopsia**  
A9A9A9



**Achromatomaly**  
92C06F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6BE80A 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 #6BE80A looks like.

```
.text, #text, p{  
    color:#6BE80A  
}
```

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 #6BE80A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6BE80A
}
```

## Border

The CSS property to change the border of an element to Hex 6BE80A 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
#6BE80A }
```

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

```
.border{ border-color:#6BE80A }
```

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

Here you see how a box with a 4 pixel #6BE80A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6BE80A; -webkit-box-shadow:4px 4px  
4px 4px #6BE80A; box-shadow:4px 4px 4px  
4px #6BE80A }
```

# Background

The CSS property to change the background color of an element to Hex 6BE80A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6BE80A }
```

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

```
.background{ background-color:#6BE80A }
```

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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