

# Converting Colors

Hex(6BF238)

Have a look what the booklet for  
Hex(6BF238) contains.

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**Color**

**Hex(6BF238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BF238
RGB	107, 242, 56
RGB Percent	42%, 95%, 22%
CMY	0.5804, 0.0510, 0.7804
CMYK	0.56, 0.00, 0.77, 0.05
HSL	104°, 88%, 58%
HSV	104°, 77%, 95%
XYZ	38.5293, 66.9156, 14.6267
YIQ	180.4310, -20.7540, -86.4660

# Conversions

## Conversions Part 2

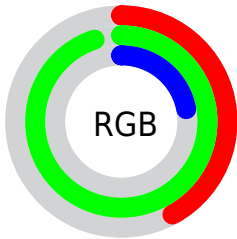
Format	Color
<a href="#">RYB</a>	<a href="#">56, 242, 191</a>
Decimal	<a href="#">7074360</a>
CIELab	<a href="#">85.46, -67.29, 72.50</a>
CIELCh	<a href="#">85, 98.917, 132.863</a>
Yxy	<a href="#">66.9156, 0.3209, 0.5573</a>
Android (android.graphics.Color)	<a href="#">4285264440 (0xFF6BF238)</a>
YUV	<a href="#">180.4310, -61.3445, -64.3990</a>
Hunter-Lab	<a href="#">81.8019, -59.0785, 46.6600</a>

# Details

The Hex color **6BF238** 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 **BF38F2**, and the grayscale version is **B5B5B5**.

A 20% lighter version of the original color is **AAFF74**, and **19B900** is the 20% darker color. If you saturate the color by 10%, you get **59F220**, and if you desaturate by 10%, it is **7DF250**.

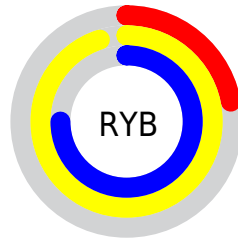
# Distribution



Red (42%)

Green (95%)

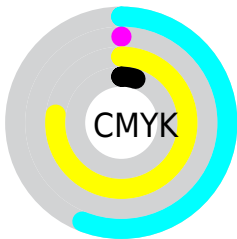
Blue (22%)



Red (22%)

Yellow (95%)

Blue (75%)

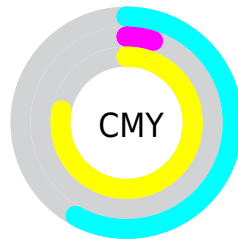


Cyan (56%)

Magenta (0%)

Yellow (77%)

Black (5%)



Cyan (58%)

Magenta (5%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6BF238 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 6BF238 by changing the saturation by 10% instead.



 6BF238

FFFFFF

 AAFF74

 C9FF91

 E8FFAE

 FFFF CB

 FFFF E8

 6BF238

 48D50C

 19B900

 009D00

 008200

 006700

 004E00

 003600

 001C00

 000000

 6BF238

 6BF238

 59F220

 7DF250

 48F208

 8EF268

 42F200

 A0F281

 B1F299

 C3F2B1

 D4F2C9

 E6F2E1

 F8F2FA

 FFF2FF

# Harmonies

## Analogous

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



DADE00



6BF238



00FC9B

# Triad

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



6BF238



00EFFF



FF6EB1

# Complementary

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



6BF238



BF38F2

# 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.



FF7AFF



6BF238



0CD3FF

# Square

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



6BF238



00FCFF



FFA8FF



FF9259

# Rectangle

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



6BF238



00FFDC



FFA8FF



FF6BD1

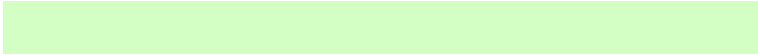


# Sweetspot

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



6BF238



D4FFC4



F2BD38



66805C



000000



808080



# Same Dimension

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



6BF238



55FF14



38F260



6F786C



32B800



0F3800



# Inverse Universe

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



BF38F2



BF14FF



F238CA



756C78



8500B8

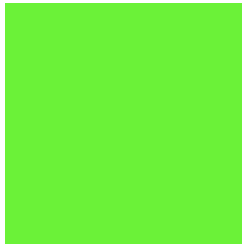


290038



# Previews

## White Background



This preview shows how the Hex color 6BF238 looks on a white background.

## Color Contrast Check

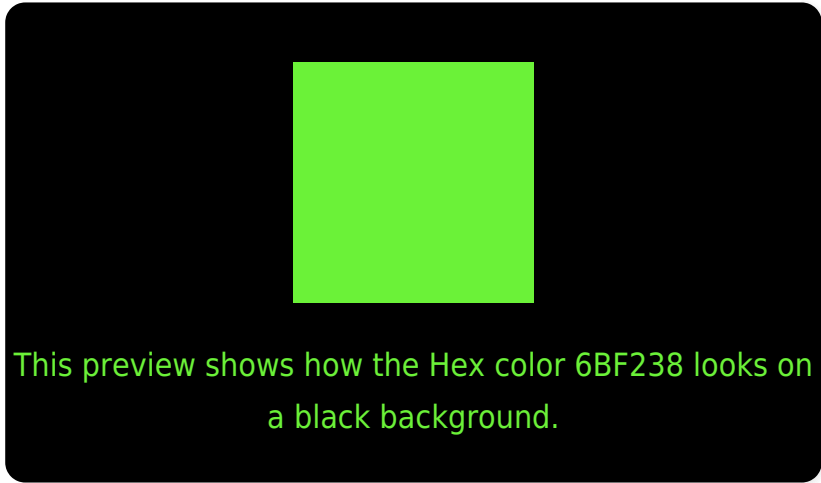
Large Text (above 18pt) WCAG AA × Fail

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

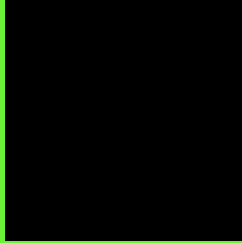
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

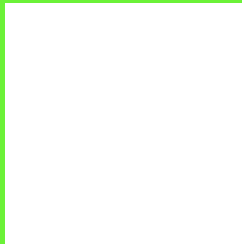
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 6BF238 Background



This preview shows how black text looks on a background with the Hex color 6BF238.

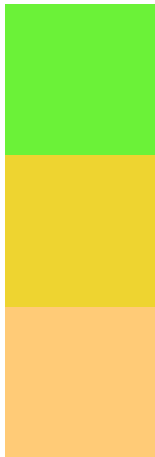


This preview shows how white text looks on a background with the Hex color 6BF238.

# 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](#).

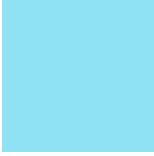
## Dichromacy



**Original Color**  
6BF238

**Protanopia**  
EED430

**Deuteranopia**  
FFCB77



**Tritanopia**  
8EE2F4

# Trichromacy



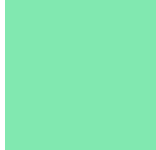
**Original Color**  
6BF238



**Protanomaly**  
BEDF33

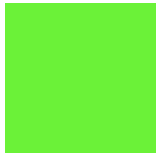


**Deuteranomaly**  
C9D960

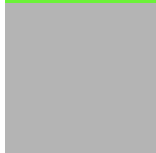


**Tritanomaly**  
81E8B0

# Monochromacy



**Original Color**  
6BF238



**Achromatopsia**  
B4B4B4



**Achromatomaly**  
99CB87

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6BF238 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 #6BF238 looks like.

```
.text, #text, p{  
    color:#6BF238  
}
```

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 #6BF238 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6BF238
}
```

## Border

The CSS property to change the border of an element to Hex 6BF238 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
#6BF238 }
```

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

```
.border{ border-color:#6BF238 }
```

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

Here you see how a box with a 4 pixel #6BF238 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6BF238; -webkit-box-shadow:4px 4px  
4px 4px #6BF238; box-shadow:4px 4px 4px  
4px #6BF238 }
```

# Background

The CSS property to change the background color of an element to Hex 6BF238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6BF238 }
```

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

```
.background{ background-color:#6BF238 }
```

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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