

# Converting Colors

Hex(66B825)

Have a look what the booklet for  
Hex(66B825) contains.

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**Color**

**Hex(66B825)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66B825
RGB	102, 184, 37
RGB Percent	40%, 72%, 15%
CMY	0.6000, 0.2784, 0.8549
CMYK	0.45, 0.00, 0.80, 0.28
HSL	93°, 67%, 43%
HSV	93°, 80%, 72%
XYZ	22.9539, 37.2393, 7.7284
YIQ	142.7240, -1.6850, -63.1010

# Conversions

## Conversions Part 2

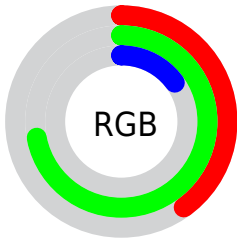
Format	Color
<a href="#">RYB</a>	<a href="#">37, 184, 119</a>
Decimal	<a href="#">6731813</a>
CIELab	<a href="#">67.46, -48.36, 61.08</a>
CIELCh	<a href="#">67, 77.905, 128.367</a>
Yxy	<a href="#">37.2393, 0.3379, 0.5483</a>
Android (android.graphics.Color)	<a href="#">4284921893</a> (0xFF66B825)
YUV	<a href="#">142.7240, -52.1219, -35.7149</a>
Hunter-Lab	<a href="#">61.0240, -39.6501, 35.2081</a>

# Details

The Hex color **66B825** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7725B8**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **9FF15F**, and **298200** is the 20% darker color. If you saturate the color by 10%, you get **5CB813**, and if you desaturate by 10%, it is **70B837**.

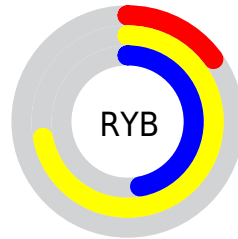
# Distribution



Red (40%)

Green (72%)

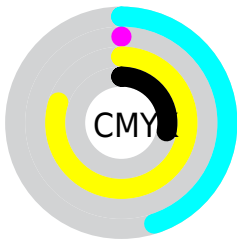
Blue (15%)



Red (15%)

Yellow (72%)

Blue (47%)

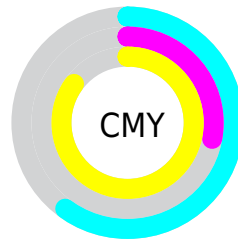


Cyan (45%)

Magenta (0%)

Yellow (80%)

Black (28%)



Cyan (60%)

Magenta (28%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66B825 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 66B825 by changing the saturation by 10% instead.



 66B825

 66B825

FFFFFF

 499D00


 9FF15F

 298200

 BCFF7A

 006800

 DAFF96

 004F00

 F8FFB2

 003700

 FFFFCF

 002100

 FFFFEC

 000000

 66B825

 66B825

 5CB813

 70B837

■ 51B800

■ 7BB84A

■ 85B85C

■ 8FB86F

■ 99B881

■ A4B893

■ AEB8A6

■ B8B8B8

■ C2B8CB

# Harmonies

## Analogous

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



B3A700



66B825



00C16D

# Triad

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



66B825



00BAFF



FF5894

# Complementary

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



66B825



7725B8

# 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.



FF66DA



66B825



00A6FF

# Square

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



66B825



00C2FA



BE88FF



FF6E50

# Rectangle

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



66B825



00C49E



BE88FF



FF59AB



# Sweetspot

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



66B825



D0F0B6



B87625



647855



F7F7F7



787878



# Same Dimension

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



66B825



6FF00A



25B82C



575C53



459C00



0C1C00



# Inverse Universe

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



7725B8



8A0AF0



B825B1



58535C



57009C



10001C



# Previews

## White Background



This preview shows how the Hex color 66B825 looks on a white background.

## Color Contrast Check

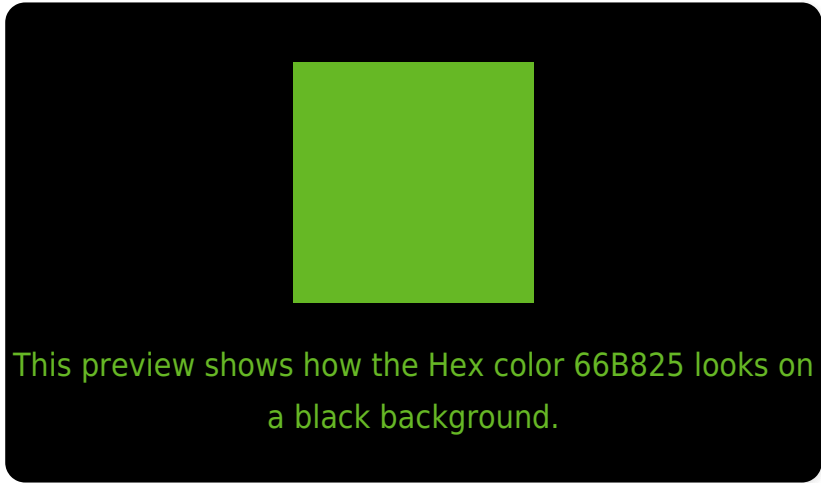
Large Text (above 18pt) WCAG AA × Fail

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 66B825 Background



This preview shows how black text looks on a background with the Hex color 66B825.

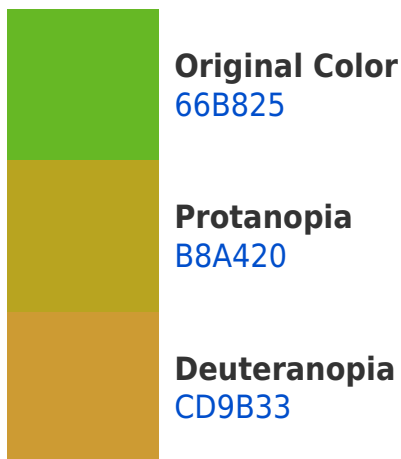


This preview shows how white text looks on a background with the Hex color 66B825.

# Color Blindness Simulation

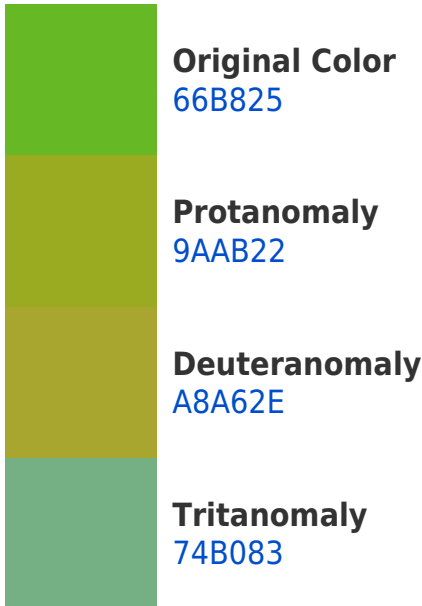
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

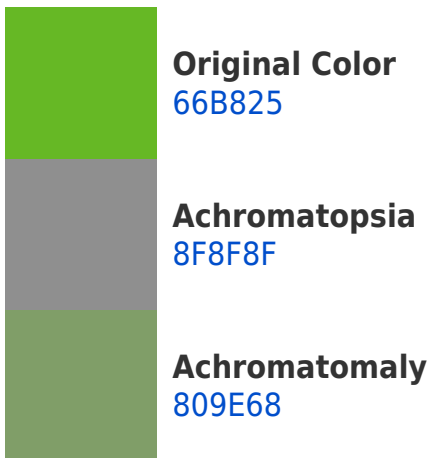




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66B825 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 #66B825 looks like.

```
.text, #text, p{  
    color:#66B825  
}
```

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 #66B825 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66B825
}
```

## Border

The CSS property to change the border of an element to Hex 66B825 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
#66B825 }
```

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

```
.border{ border-color:#66B825 }
```

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

Here you see how a box with a 4 pixel #66B825 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66B825; -webkit-box-shadow:4px 4px  
4px 4px #66B825; box-shadow:4px 4px 4px  
4px #66B825 }
```

# Background

The CSS property to change the background color of an element to Hex 66B825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66B825 }
```

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

```
.background{ background-color:#66B825 }
```

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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