

# Converting Colors

Hex(6B7D31)

Have a look what the booklet for  
Hex(6B7D31) contains.

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**Color**

**Hex(6B7D31)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B7D31
RGB	107, 125, 49
RGB Percent	42%, 49%, 19%
CMY	0.5804, 0.5098, 0.8078
CMYK	0.14, 0.00, 0.61, 0.51
HSL	74°, 44%, 34%
HSV	74°, 61%, 49%
XYZ	13.9514, 18.0148, 5.6476
YIQ	110.9540, 13.6680, -27.4520

# Conversions

## Conversions Part 2

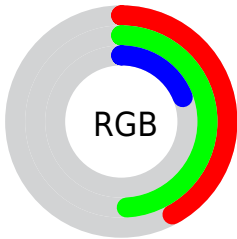
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 125, 67
Decimal	7044401
CIELab	49.51, -18.64, 38.37
CIELCh	50, 42.654, 115.906
Yxy	18.0148, 0.3709, 0.4789
Android (android.graphics.Color)	4285234481 (0xFF6B7D31)
YUV	110.9540, -30.5433, -3.4677
Hunter-Lab	42.4438, -15.6033, 21.8215

# Details

The Hex color **6B7D31** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **43317D**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **A0B262**, and **394C00** is the 20% darker color. If you saturate the color by 10%, you get **687D25**, and if you desaturate by 10%, it is **6E7D3E**.

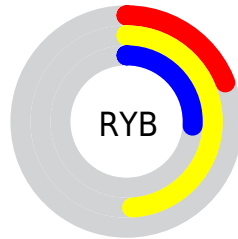
# Distribution



Red (42%)

Green (49%)

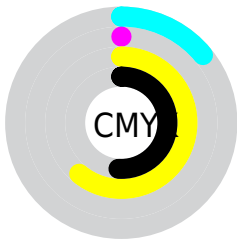
Blue (19%)



Red (19%)

Yellow (49%)

Blue (26%)

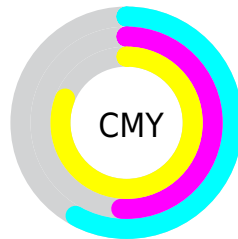


Cyan (14%)

Magenta (0%)

Yellow (61%)

Black (51%)



Cyan (58%)

Magenta (51%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6B7D31 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 6B7D31 by changing the saturation by 10% instead.





6B7D31



6B7D31

FFFFFF



526418



A0B262



394C00



BCCD7C



223500



D8E996



042000



F5FFB2



000000



FFFCD



FFFEEA



6B7D31



6B7D31



687D25



6E7D3E

■ 657D18

■ 717D4A

■ 627D0C

■ 747D57

■ 5F7D00

■ 777D63

■ 7A7D70

■ 7D7D7C

■ 807D89

■ 837D95

■ 867DA2

# Harmonies

## Analogous

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



8E722A



6B7D31



3D844B

# Triad

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



6B7D31



0084B1



B5567C

# Complementary

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



6B7D31



43317D

# 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.



9D609F



6B7D31



107BBE

# Square

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



6B7D31



008794



6F6EB7



B85958

# Rectangle

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



6B7D31



008763



6F6EB7



B05888



# Sweetspot

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



6B7D31



9CA386



7D4331



4D5240



D1D1D1



525252



# Same Dimension

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



6B7D31



87A32C



457D31



3E4039



618000



000000



# Inverse Universe

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



43317D



482CA3



69317D



3B3940



1E0080



000000



# Previews

## White Background



This preview shows how the Hex color 6B7D31 looks on a white background.

## Color Contrast Check

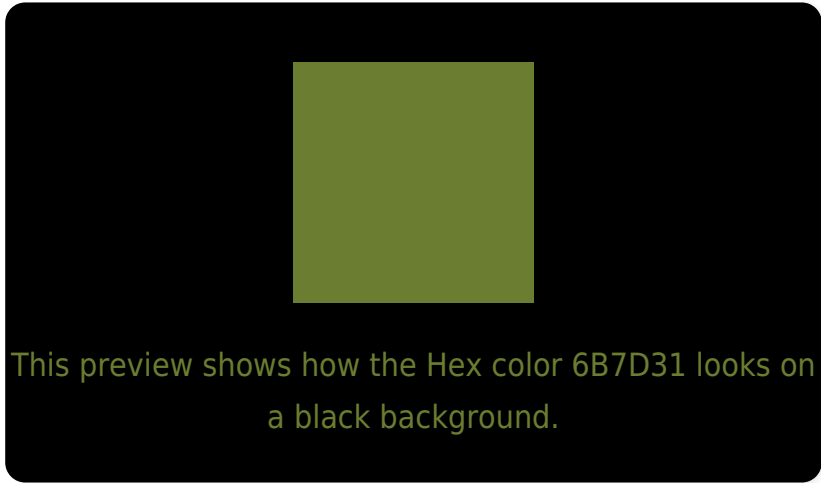
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

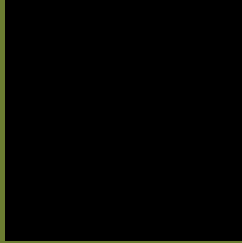
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 6B7D31 Background



This preview shows how black text looks on a background with the Hex color 6B7D31.



This preview shows how white text looks on a background with the Hex color 6B7D31.

# 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**  
6B7D31

**Protanopia**  
83762F

**Deuteranopia**  
917035



**Tritanopia**  
74757E

# Trichromacy



**Original Color**  
6B7D31

**Protanomaly**  
7A7930

**Deuteranomaly**  
837534

**Tritanomaly**  
717862

# Monochromacy



**Original Color**  
6B7D31

**Achromatopsia**  
6F6F6F

**Achromatomaly**  
6E7458

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6B7D31 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 #6B7D31 looks like.

```
.text, #text, p{  
    color:#6B7D31  
}
```

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 #6B7D31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6B7D31
}
```

## Border

The CSS property to change the border of an element to Hex 6B7D31 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
#6B7D31 }
```

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

```
.border{ border-color:#6B7D31 }
```

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

Here you see how a box with a 4 pixel #6B7D31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6B7D31; -webkit-box-shadow:4px 4px  
4px 4px #6B7D31; box-shadow:4px 4px 4px  
4px #6B7D31 }
```

# Background

The CSS property to change the background color of an element to Hex 6B7D31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6B7D31 }
```

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

```
.background{ background-color:#6B7D31 }
```

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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