

# Converting Colors

Hex(6B7B31)

Have a look what the booklet for  
Hex(6B7B31) contains.

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**Color**

**Hex(6B7B31)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B7B31
RGB	107, 123, 49
RGB Percent	42%, 48%, 19%
CMY	0.5804, 0.5176, 0.8078
CMYK	0.13, 0.00, 0.60, 0.52
HSL	73°, 43%, 34%
HSV	73°, 60%, 48%
XYZ	13.7007, 17.5135, 5.5641
YIQ	109.7800, 14.2180, -26.4060

# Conversions

## Conversions Part 2

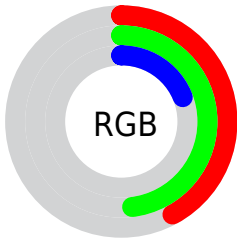
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 123, 65
Decimal	7043889
CIE Lab	48.90, -17.58, 37.68
CIE LCh	49, 41.580, 115.013
Yxy	17.5135, 0.3725, 0.4762
Android (android.graphics.Color)	4285233969 (0xFF6B7B31)
YUV	109.7800, -29.9645, -2.4381
Hunter-Lab	41.8491, -14.7978, 21.4114

# Details

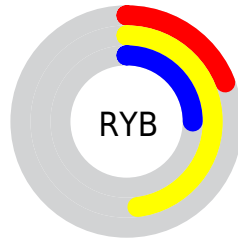
The Hex color **6B7B31** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **41317B**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **A0AF62**, and **394A00** is the 20% darker color. If you saturate the color by 10%, you get **687B25**, and if you desaturate by 10%, it is **6E7B3D**.

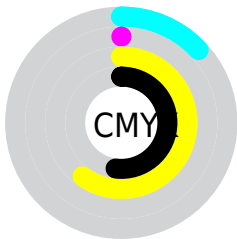
# Distribution



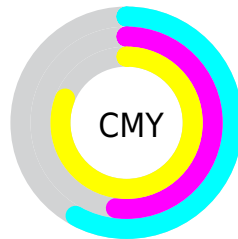
- Red (42%)
- Green (48%)
- Blue (19%)



- Red (19%)
- Yellow (48%)
- Blue (25%)



- Cyan (13%)
- Magenta (0%)
- Yellow (60%)
- Black (52%)



- Cyan (58%)
- Magenta (52%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6B7B31 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 6B7B31 by changing the saturation by 10% instead.



 6B7B31

 6B7B31

FFFFFF

 526219

 A0AF62

 394A00

 BCCB7C

 223400

 D8E796

 041F00

 F5FFB1

 000000

 FFFFCD

 FFFFEA

 6B7B31

 6B7B31

 687B25

 6E7B3D

■ 667B18

■ 707B4A

■ 637B0C

■ 737B56

■ 607B00

■ 767B62

■ 787B6F

■ 7B7B7B

■ 7E7B87

■ 807B93

■ 837BA0

# Harmonies

## Analogous

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



8D702B



6B7B31



3F824A

# Triad

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



6B7B31



0082AD



B2567C

# Complementary

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



6B7B31



41317B

# 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.



9A5F9D



6B7B31



107ABA

# Square

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



6B7B31



008591



6C6DB4



B55858

# Rectangle

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



6B7B31



008561



6C6DB4



AC5887



# Sweetspot

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



6B7B31



9AA184



7B4031



4E5240



D1D1D1



525252



# Same Dimension

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



6B7B31



88A12D



477B31



3C3D37



627D00



C6FC00



# Inverse Universe

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



41317B



462DA1



65317B



38373D



1B007D



3700FC



# Previews

## White Background



This preview shows how the Hex color 6B7B31 looks on a white background.

## Color Contrast Check

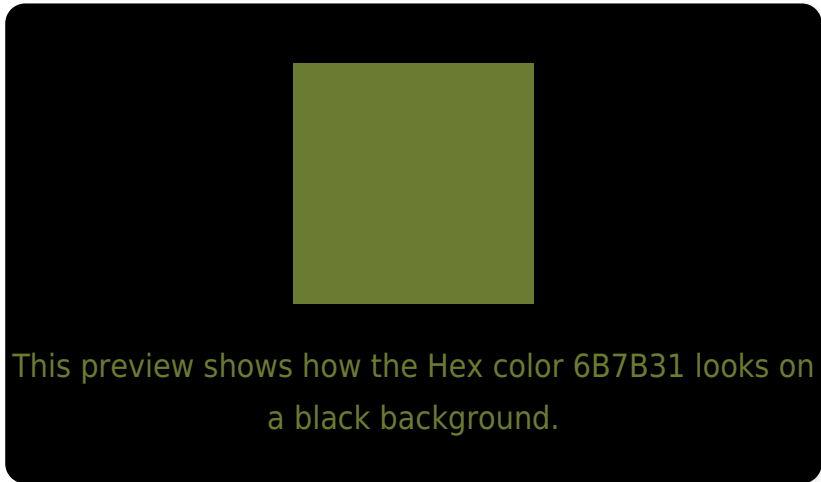
Large Text (above 18pt) WCAG AA ✓ Pass

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 6B7B31 Background



This preview shows how black text looks on a background with the Hex color 6B7B31.



This preview shows how white text looks on a background with the Hex color 6B7B31.

# 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**  
6B7B31

**Protanopia**  
81742F

**Deuteranopia**  
8F6E35



**Tritanopia**  
73737C

# Trichromacy



**Original Color**  
6B7B31

**Protanomaly**  
797730

**Deuteranomaly**  
827334

**Tritanomaly**  
707661

# Monochromacy



**Original Color**  
6B7B31

**Achromatopsia**  
6E6E6E

**Achromatomaly**  
6D7358

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6B7B31 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 #6B7B31 looks like.

```
.text, #text, p{  
    color:#6B7B31  
}
```

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 #6B7B31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6B7B31
}
```

## Border

The CSS property to change the border of an element to Hex 6B7B31 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
#6B7B31 }
```

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

```
.border{ border-color:#6B7B31 }
```

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

Here you see how a box with a 4 pixel #6B7B31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6B7B31; -webkit-box-shadow:4px 4px  
4px 4px #6B7B31; box-shadow:4px 4px 4px  
4px #6B7B31 }
```

# Background

The CSS property to change the background color of an element to Hex 6B7B31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6B7B31 }
```

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

```
.background{ background-color:#6B7B31 }
```

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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