

# Converting Colors

Hex(684B00)

Have a look what the booklet for  
Hex(684B00) contains.

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**Color**

**Hex(684B00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	684B00
RGB	104, 75, 0
RGB Percent	41%, 29%, 0%
CMY	0.5922, 0.7059, 1.0000
CMYK	0.00, 0.28, 1.00, 0.59
HSL	43°, 100%, 20%
HSV	43°, 100%, 41%
XYZ	8.2250, 7.9752, 1.1059
YIQ	75.1210, 41.3590, -17.1770

# Conversions

## Conversions Part 2

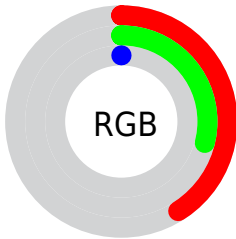
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 104, 0
Decimal	6834944
CIELab	33.93, 5.94, 42.78
CIElCh	34, 43.186, 82.098
Yxy	7.9752, 0.4753, 0.4608
Android (android.graphics.Color)	4285025024 (0xFF684B00)
YUV	75.1210, -37.0347, 25.3269
Hunter-Lab	28.2404, 2.5672, 17.4466

# Details

The Hex color **684B00** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **001D68**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **9F7B35**, and **342000** is the 20% darker color. If you saturate the color by 10%, you get **684B00**, and if you desaturate by 10%, it is **684E0A**.

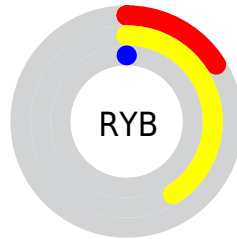
# Distribution



Red (41%)

Green (29%)

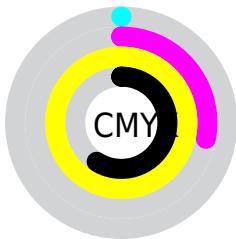
Blue (0%)



Red (16%)

Yellow (41%)

Blue (0%)

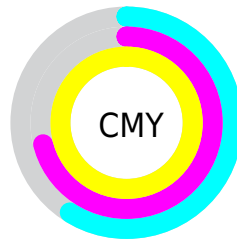


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (59%)



Cyan (59%)

Magenta (71%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 684B00 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 684B00 by changing the saturation by 10% instead.



 684B00

 684B00

 FFFFEF

 4E3400

 9F7B35

 342000

 BB954D

 1C0900

 D8B067

 000000

 F6CB80

 FFE79B

 FFFFB6

 FFFF D2

 684B00

 684E0A

 685115

 68541F

 68572A

 685A34

 685C3E

 685F49

 686253

 68655E

# Harmonies

## Analogous

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



803D19



684B00



485604

# Triad

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



684B00



006069



703B7A

# Complementary

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



684B00



001D68

# 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.



3D4B90



684B00



005D85

# Square

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



684B00



005F45



005694



882E5A

# Rectangle

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



684B00



2D5A18



005694



634083



# Sweetspot

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



684B00



877C5F



68001D



453E2C



C4C4C4



454545



# Same Dimension

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



684B00



876100



516800



33322E



735300



F2AF00



# Inverse Universe

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



001D68



002687



170068



2E2F33



002073

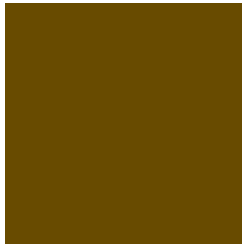


0044F2



# Previews

## White Background



This preview shows how the Hex color 684B00 looks on a white background.

## Color Contrast Check

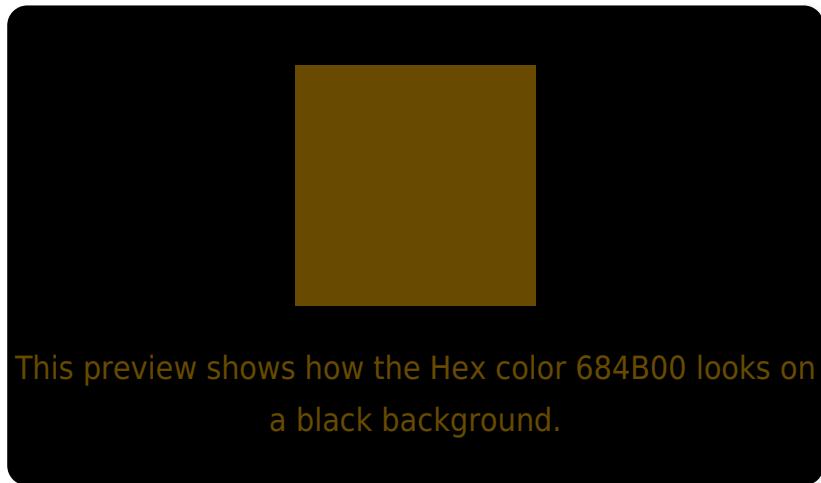
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

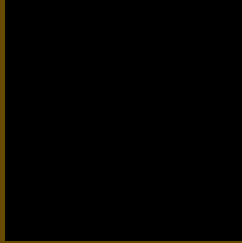
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 684B00 Background



This preview shows how black text looks on a background with the Hex color 684B00.



This preview shows how white text looks on a background with the Hex color 684B00.

# 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**  
684B00

**Protanopia**  
5B5106

**Deuteranopia**  
664C00



**Tritanopia**  
6B464B

# Trichromacy



**Original Color**  
684B00

**Protanomaly**  
604F04

**Deuteranomaly**  
674C00

**Tritanomaly**  
6A4830

# Monochromacy



**Original Color**  
684B00

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
564B30

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 684B00 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 #684B00 looks like.

```
.text, #text, p{  
    color:#684B00  
}
```

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 #684B00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #684B00
}
```

## Border

The CSS property to change the border of an element to Hex 684B00 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
#684B00 }
```

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

```
.border{ border-color:#684B00 }
```

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

Here you see how a box with a 4 pixel #684B00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #684B00; -webkit-box-shadow:4px 4px  
4px 4px #684B00; box-shadow:4px 4px 4px  
4px #684B00 }
```

# Background

The CSS property to change the background color of an element to Hex 684B00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#684B00 }
```

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

```
.background{ background-color:#684B00 }
```

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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