

# Converting Colors

Hex(31684A)

Have a look what the booklet for  
Hex(31684A) contains.

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# Color

**Hex(31684A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31684A
RGB	49, 104, 74
RGB Percent	19%, 41%, 29%
CMY	0.8078, 0.5922, 0.7098
CMYK	0.53, 0.00, 0.29, 0.59
HSL	147°, 36%, 30%
HSV	147°, 53%, 41%
XYZ	7.4530, 11.0480, 8.2182
YIQ	84.1350, -23.1500, -20.9900

# Conversions

## Conversions Part 2

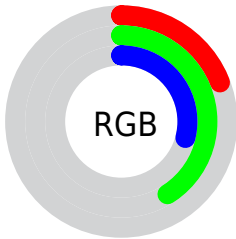
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 87, 104
Decimal	3237962
CIELab	39.66, -25.91, 11.45
CIELCh	40, 28.325, 156.166
Yxy	11.0480, 0.2789, 0.4135
Android (android.graphics.Color)	4281428042 (0xFF31684A)
YUV	84.1350, -4.9966, -30.8134
Hunter-Lab	33.2385, -18.1430, 8.6075

# Details

The Hex color **31684A** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **68314F**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **639C7B**, and **00381E** is the 20% darker color. If you saturate the color by 10%, you get **276844**, and if you desaturate by 10%, it is **3B6850**.

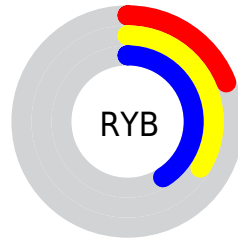
# Distribution



Red (19%)

Green (41%)

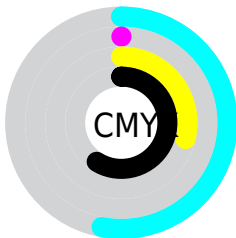
Blue (29%)



Red (19%)

Yellow (34%)

Blue (41%)

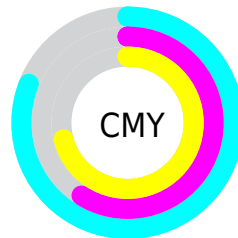


Cyan (53%)

Magenta (0%)

Yellow (29%)

Black (59%)



Cyan (81%)

Magenta (59%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31684A 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 31684A by changing the saturation by 10% instead.





31684A



31684A

FFFFFF



175033



639C7B



00381E



7DB795



002306



98D2AF



000000



B3EFCB



CFFFE7



ECFFFF



31684A



31684A



276844



3B6850

■ 1C683F

■ 466855

■ 126839

■ 50685B

■ 076833

■ 5B6861

■ 00682F

■ 656866

■ 6F686C

■ 7A6872

■ 846877

■ 8F687D

# Harmonies

## Analogous

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



4F6437



31684A



006A62

# Triad

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



31684A



425E8B



874E43

# Complementary

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



31684A



68314F

# 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.



894B59



31684A



665683

# Square

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



31684A



046587



7E4E71



7B5633

# Rectangle

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



31684A



006971



7E4E71



894C4A



# Sweetspot

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



31684A



72877B



4F6831



38453E



C4C4C4



454545



# Same Dimension

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



31684A



328759



316865



2E3330



007334



00F26E



# Inverse Universe

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



68314F



873260



683134



332E31



73003F

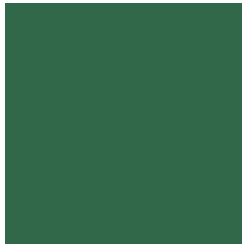


F20084



# Previews

## White Background



This preview shows how the Hex color 31684A looks on a white background.

## Color Contrast Check

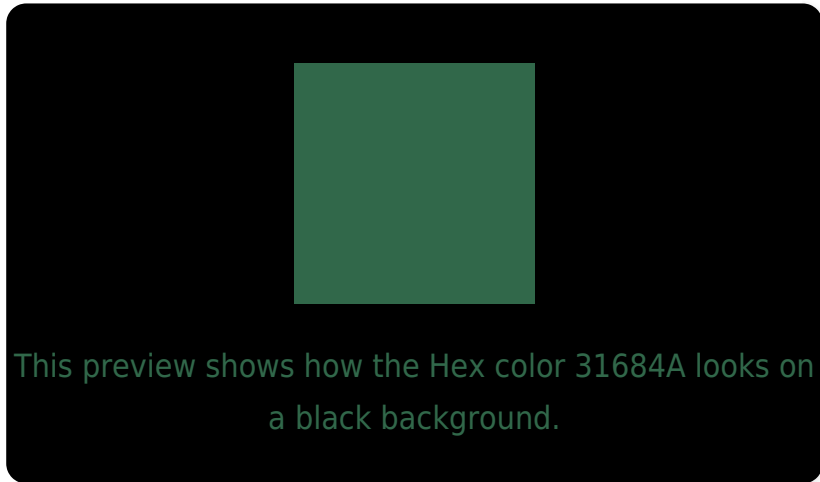
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

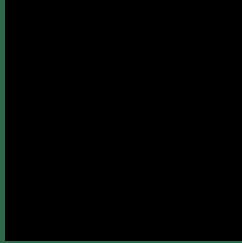
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31684A Background



This preview shows how black text looks on a background with the Hex color 31684A.

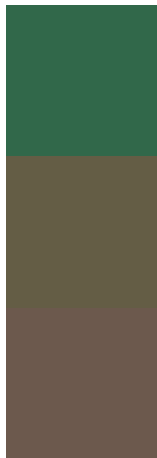


This preview shows how white text looks on a background with the Hex color 31684A.

# 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**  
31684A

**Protanopia**  
645D45

**Deuteranopia**  
6C594D



**Tritanopia**  
3A646C

# Trichromacy



**Original Color**  
31684A

**Protanomaly**  
516147

**Deuteranomaly**  
575E4C

**Tritanomaly**  
376560

# Monochromacy



**Original Color**  
31684A

**Achromatopsia**  
545454

**Achromatomaly**  
475B50

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31684A 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 #31684A looks like.

```
.text, #text, p{  
    color:#31684A  
}
```

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 #31684A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31684A
}
```

## Border

The CSS property to change the border of an element to Hex 31684A 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".

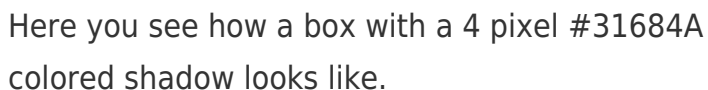
```
.border, #border, table{ border:4px solid
#31684A }
```

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

```
.border{ border-color:#31684A }
```

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

Here you see how a box with a 4 pixel #31684A colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31684A; -webkit-box-shadow:4px 4px  
4px 4px #31684A; box-shadow:4px 4px 4px  
4px #31684A }
```

# Background

The CSS property to change the background color of an element to Hex 31684A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31684A }
```

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

```
.background{ background-color:#31684A }
```

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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