

# Converting Colors

Hex(31725B)

Have a look what the booklet for  
Hex(31725B) contains.

<b>Hex(31725B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(31725B)

# Conversions

## Conversions Part 1

Format	Color
Hex	31725B
RGB	49, 114, 91
RGB Percent	19%, 45%, 36%
CMY	0.8078, 0.5529, 0.6431
CMYK	0.57, 0.00, 0.20, 0.55
HSL	159°, 40%, 32%
HSV	159°, 57%, 45%
XYZ	9.1723, 13.4429, 12.0088
YIQ	91.9430, -31.3570, -20.9330

# Conversions

## Conversions Part 2

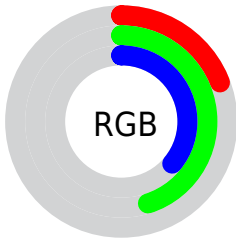
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 88, 114
Decimal	3240539
CIELab	43.42, -26.79, 6.54
CIElCh	43, 27.580, 166.281
Yxy	13.4429, 0.2649, 0.3883
Android (android.graphics.Color)	4281430619 (0xFF31725B)
YUV	91.9430, -0.4649, -37.6610
Hunter-Lab	36.6646, -19.5083, 6.2458




# Details

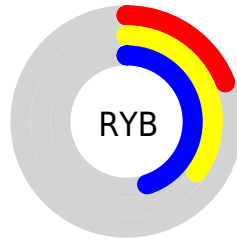
The Hex color **31725B** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **723148**, and the grayscale version is **5C5C5C**.




A 20% lighter version of the original color is **65A68D**, and **00412D** is the 20% darker color. If you saturate the color by 10%, you get **267257**, and if you desaturate by 10%, it is **3C725F**.

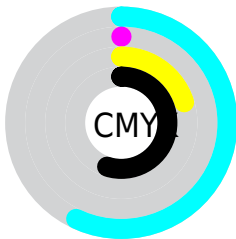
# Distribution







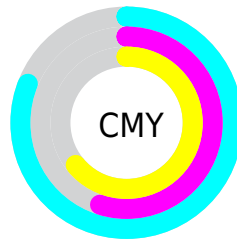
-  Red (19%)
-  Green (45%)
-  Blue (36%)






-  Red (19%)
-  Yellow (35%)
-  Blue (45%)



-  Cyan (57%)
-  Magenta (0%)
-  Yellow (20%)
-  Black (55%)



-  Cyan (81%)
-  Magenta (55%)
-  Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31725B 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 31725B by changing the saturation by 10% instead.





31725B



31725B

FFFFFF



145944



65A68D



00412D



80C2A8



002B19



9BDEC3



001400



B6FADF



000000



D2FFFB



FFFFFF



31725B



31725B



267257



3C725F

■ 1A7253

■ 487263

■ 0F724F

■ 537267

■ 03724B

■ 5F726B

■ 00724A

■ 6A726F

■ 757273

■ 817277

■ 8C727B

■ 98727F

# Harmonies

## Analogous

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



4F6F46



31725B



037373

# Triad

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



31725B



596592



8E5A47

# Complementary

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



31725B



723148

# 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.



93555B



31725B



795C86

# Square

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



31725B



306C93



8C5672



7F623A

# Rectangle

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



31725B



007281



8C5672



91584D



# Sweetspot

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



31725B



7B948B



497231



3B4A45



C9C9C9



4A4A4A



# Same Dimension

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



31725B



2F9470



316972



323836



00784D



00F7A0



# Inverse Universe

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



723148



942F53



723A31



383234



78002A



F70058



# Previews

## White Background



This preview shows how the Hex color 31725B looks on a white background.

## Color Contrast Check

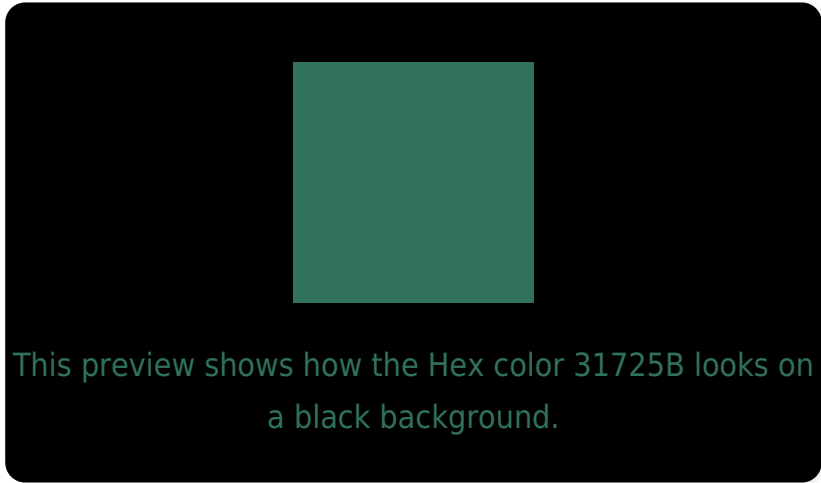
Large Text (above 18pt) WCAG AA ✓ Pass

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

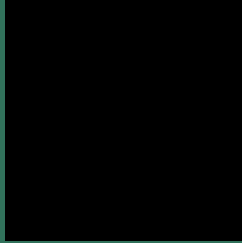
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31725B Background



This preview shows how black text looks on a background with the Hex color 31725B.



This preview shows how white text looks on a background with the Hex color 31725B.

# 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**  
31725B

**Protanopia**  
6C6655

**Deuteranopia**  
73625E



**Tritanopia**  
3A6E77

# Trichromacy



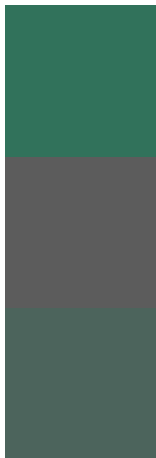
**Original Color**  
31725B

**Protanomaly**  
576A57

**Deuteranomaly**  
5B685D

**Tritanomaly**  
376F6D

# Monochromacy



**Original Color**  
31725B

**Achromatopsia**  
5C5C5C

**Achromatomaly**  
4C645C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31725B 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 #31725B looks like.

```
.text, #text, p{  
    color:#31725B  
}
```

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 #31725B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31725B
}
```

## Border

The CSS property to change the border of an element to Hex 31725B 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".

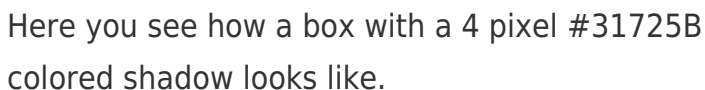
```
.border, #border, table{ border:4px solid
#31725B }
```

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

```
.border{ border-color:#31725B }
```

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

Here you see how a box with a 4 pixel #31725B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31725B; -webkit-box-shadow:4px 4px  
4px 4px #31725B; box-shadow:4px 4px 4px  
4px #31725B }
```

# Background

The CSS property to change the background color of an element to Hex 31725B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31725B }
```

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

```
.background{ background-color:#31725B }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor