

# Converting Colors

Hex(29744D)

Have a look what the booklet for  
Hex(29744D) contains.

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# Color

**Hex(29744D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29744D
RGB	41, 116, 77
RGB Percent	16%, 45%, 30%
CMY	0.8392, 0.5451, 0.6980
CMYK	0.65, 0.00, 0.34, 0.55
HSL	149°, 48%, 31%
HSV	149°, 65%, 45%
XYZ	8.4994, 13.4980, 9.1786
YIQ	89.1290, -32.1810, -28.0290

# Conversions

## Conversions Part 2

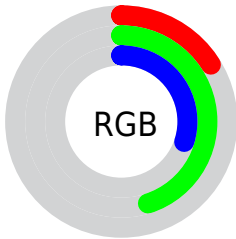
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 92, 116
Decimal	2716749
CIE <sub>Lab</sub>	43.50, -32.89, 14.90
CIE <sub>LCh</sub>	44, 36.111, 155.631
Yxy	13.4980, 0.2726, 0.4330
Android (android.graphics.Color)	4280906829 (0xFF29744D)
YUV	89.1290, -5.9796, -42.2091
Hunter-Lab	36.7397, -23.0000, 10.9055

# Details

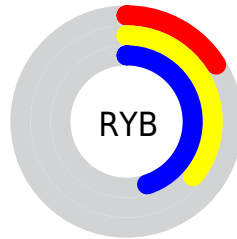
The Hex color **29744D** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **742950**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **5FA97E**, and **004320** is the 20% darker color. If you saturate the color by 10%, you get **1D7447**, and if you desaturate by 10%, it is **357453**.

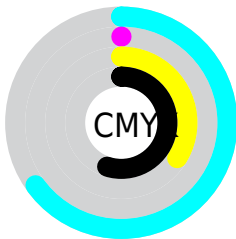
# Distribution



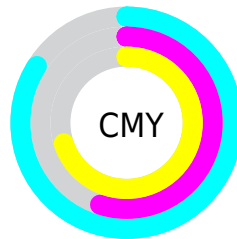
- Red (16%)
- Green (45%)
- Blue (30%)



- Red (16%)
- Yellow (36%)
- Blue (45%)



- Cyan (65%)
- Magenta (0%)
- Yellow (34%)
- Black (55%)



- Cyan (84%)
- Magenta (55%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 29744D 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 29744D by changing the saturation by 10% instead.



 29744D

 29744D

FFFFFF

 055B36

 5FA97E

 004320

 7AC498

 002C0A

 95E0B3

 001500

 B0FDCF

 000000

 CDFE8B

 EAFFFF

 29744D

 29744D

 1D7447

 357453

■ 127441

■ 407459

■ 06743B

■ 4C745F

■ 007438

■ 577465

■ 63746B

■ 6F7471

■ 7A7477

■ 86747D

■ 917483

# Harmonies

## Analogous

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



536F34



29744D



00766C

# Triad

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



29744D



3C68A2



9C5246

# Complementary

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



29744D



742950

# 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.



9E4D62



29744D



705D98

# Square

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



29744D



00709D



905280



8C5C30

# Rectangle

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



29744D



007680



905280



9E4F4F



# Sweetspot

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



29744D



7A9688



517429



3B4D43



CCCCCC



4D4D4D



# Same Dimension

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



29744D



219659



297472



353B38



007A3B



00FA78



# Inverse Universe

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



742950



96215E



74292C



3B3538



7A0040



FA0082



# Previews

## White Background



This preview shows how the Hex color 29744D looks on a white background.

## Color Contrast Check

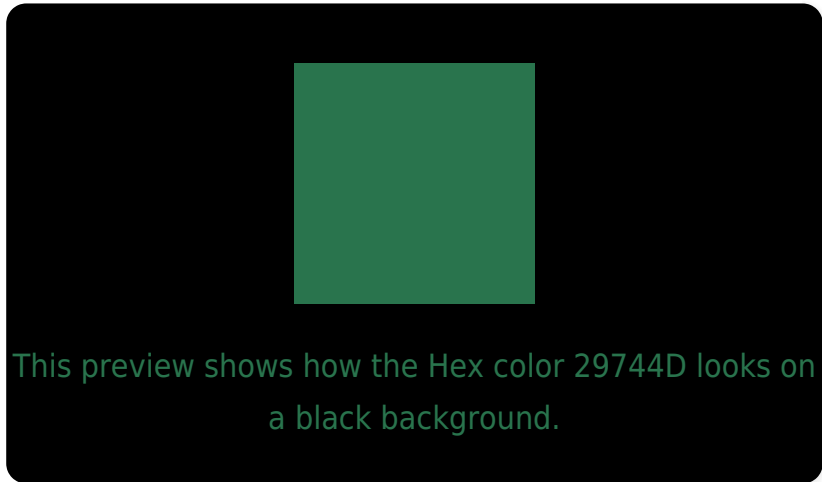
Large Text (above 18pt) WCAG AA ✓ Pass

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

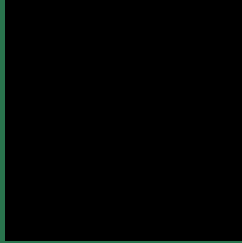
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 29744D Background



This preview shows how black text looks on a background with the Hex color 29744D.



This preview shows how white text looks on a background with the Hex color 29744D.

# 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**  
29744D

**Protanopia**  
6E6647

**Deuteranopia**  
776251



**Tritanopia**  
386F78

# Trichromacy



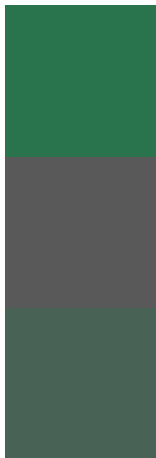
**Original Color**  
29744D

**Protanomaly**  
556B49

**Deuteranomaly**  
5B6950

**Tritanomaly**  
337168

# Monochromacy



**Original Color**  
29744D

**Achromatopsia**  
595959

**Achromatomaly**  
486355

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 29744D 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 #29744D looks like.

```
.text, #text, p{  
    color:#29744D  
}
```

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 #29744D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #29744D
}
```

## Border

The CSS property to change the border of an element to Hex 29744D 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".

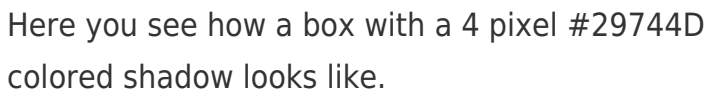
```
.border, #border, table{ border:4px solid
#29744D }
```

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

```
.border{ border-color:#29744D }
```

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

Here you see how a box with a 4 pixel #29744D colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #29744D; -webkit-box-shadow:4px 4px  
4px 4px #29744D; box-shadow:4px 4px 4px  
4px #29744D }
```

# Background

The CSS property to change the background color of an element to Hex 29744D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#29744D }
```

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

```
.background{ background-color:#29744D }
```

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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