

Converting Colors

Hex(2D4724)

Have a look what the booklet for
Hex(2D4724) contains.

Hex(2D4724)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2D4724)

Conversions

Conversions Part 1

Format	Color
Hex	2D4724
RGB	45, 71, 36
RGB Percent	18%, 28%, 14%
CMY	0.8235, 0.7216, 0.8588
CMYK	0.37, 0.00, 0.49, 0.72
HSL	105°, 33%, 21%
HSV	105°, 49%, 28%
XYZ	3.6539, 5.1917, 2.4786
YIQ	59.2360, -4.2610, -16.3970

Conversions

Conversions Part 2

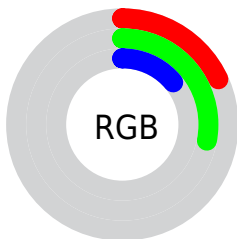
Format	Color
RYB	36, 71, 62
Decimal	2967332
CIELab	27.27, -17.78, 17.93
CIELCh	27, 25.248, 134.758
Yxy	5.1917, 0.3227, 0.4585
Android (android.graphics.Color)	4281157412 (0xFF2D4724)
YUV	59.2360, -11.4553, -12.4850
Hunter-Lab	22.7854, -11.2502, 9.5002

Details

The Hex color **2D4724** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3E2447**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **5C7851**, and **001C00** is the 20% darker color. If you saturate the color by 10%, you get **28471D**, and if you desaturate by 10%, it is **32472B**.

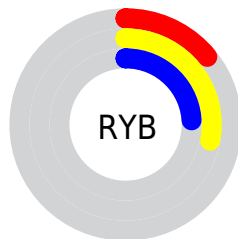
Distribution



 Red (18%)

 Green (28%)

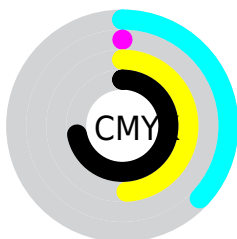
 Blue (14%)




 Red (14%)

 Yellow (28%)

 Blue (24%)

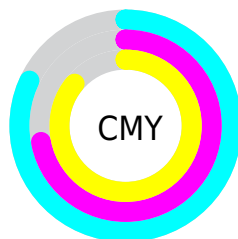


 Cyan (37%)

 Magenta (0%)


 Yellow (49%)

 Black (72%)



 Cyan (82%)

 Magenta (72%)

 Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D4724 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 2D4724 by changing the saturation by 10% instead.



2D4724



2D4724

FFFFFF



17300F



5C7851



001C00



75916A



000000



8FAC83



AAC79D



C5E3B8



E1FFD4



FEFFFO



2D4724



2D4724

■ 28471D

■ 32472B

■ 224716

■ 384732

■ 1D470F

■ 3D4739

■ 184708

■ 424740

■ 134700

■ 474748

■ 124700

■ 4D474F

■ 524756

■ 57475D

■ 5C4764

Harmonies

Analogous

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



43421A



2D4724



0D4A36

Triad

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



2D4724



004565



653038

Complementary

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



2D4724



3E2447

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.



5F324B



2D4724



323F66

Square

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



2D4724



00495B



4E385C



613526

Rectangle

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



2D4724



004A43



4E385C



64303E

Sweetspot

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



2D4724



525C4E



473E24



282E26



ADADAD



2E2E2E

Same Dimension

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



2D4724



345C26



24472C



212420



1A6300



3AE300

Inverse Universe

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



3E2447



4E265C



47243F



232024



4A0063



A900E3

Previews

White Background



This preview shows how the Hex color 2D4724 looks on a white background.

Color Contrast Check

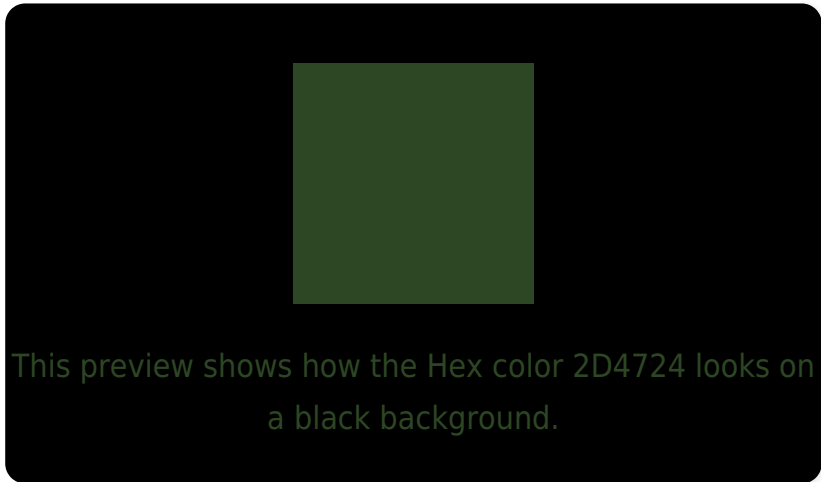
Large Text (above 18pt) WCAG AA ✓ Pass

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

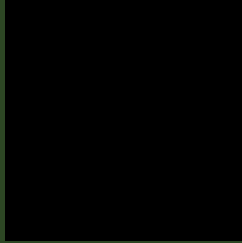
Any Text WCAG AA × Fail

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 2D4724 Background



This preview shows how black text looks on a background with the Hex color 2D4724.



This preview shows how white text looks on a background with the Hex color 2D4724.

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](#).

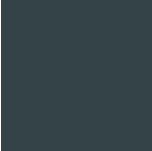
Dichromacy



Original Color
2D4724

Protanopia
474022

Deuteranopia
4E3D26



Tritanopia
334348

Trichromacy



Original Color
2D4724

Protanomaly
3E4323

Deuteranomaly
424125

Tritanomaly
31443B

Monochromacy



Original Color
2D4724

Achromatopsia
3B3B3B

Achromatomaly
363F33

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D4724 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 #2D4724 looks like.

```
.text, #text, p{  
    color:#2D4724  
}
```

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 #2D4724 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D4724
}
```

Border

The CSS property to change the border of an element to Hex 2D4724 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".

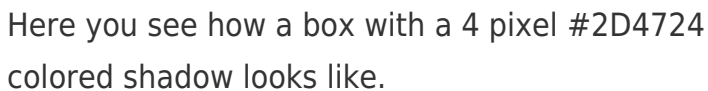
```
.border, #border, table{ border:4px solid
#2D4724 }
```

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

```
.border{ border-color:#2D4724 }
```

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

Here you see how a box with a 4 pixel #2D4724 colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #2D4724 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D4724; -webkit-box-shadow:4px 4px  
4px 4px #2D4724; box-shadow:4px 4px 4px  
4px #2D4724 }
```

Background

The CSS property to change the background color of an element to Hex 2D4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D4724 }
```

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

```
.background{ background-color:#2D4724 }
```

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