

# Converting Colors

Hex(2D4620)

Have a look what the booklet for  
Hex(2D4620) contains.

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# Color

**Hex(2D4620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D4620
RGB	45, 70, 32
RGB Percent	18%, 27%, 13%
CMY	0.8235, 0.7255, 0.8745
CMYK	0.36, 0.00, 0.54, 0.73
HSL	99°, 37%, 20%
HSV	99°, 54%, 27%
XYZ	3.5331, 5.0425, 2.1536
YIQ	58.1930, -2.7020, -17.1180

# Conversions

## Conversions Part 2

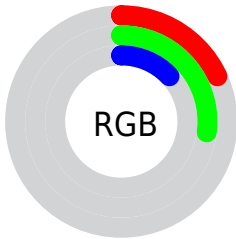
Format	Color
<b>RYB</b>	32, 70, 57
Decimal	2967072
CIELab	26.86, -17.85, 19.80
CIELCh	27, 26.661, 132.039
Yxy	5.0425, 0.3293, 0.4700
Android (android.graphics.Color)	4281157152 (0xFF2D4620)
YUV	58.1930, -12.9131, -11.5703
Hunter-Lab	22.4555, -11.2126, 10.0327

# Details

The Hex color **2D4620** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **392046**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **5C774D**, and **001C00** is the 20% darker color. If you saturate the color by 10%, you get **284619**, and if you desaturate by 10%, it is **324627**.

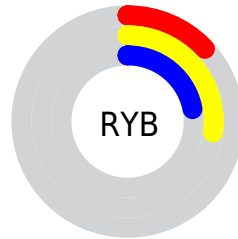
# Distribution



Red (18%)

Green (27%)

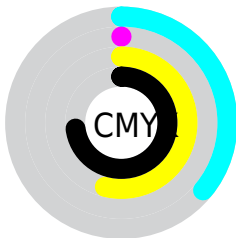
Blue (13%)



Red (13%)

Yellow (27%)

Blue (22%)

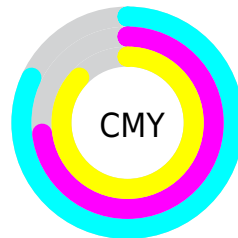


Cyan (36%)

Magenta (0%)

Yellow (54%)

Black (73%)



Cyan (82%)

Magenta (73%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D4620 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 2D4620 by changing the saturation by 10% instead.





2D4620



2D4620

FFFFFF



172F0A



5C774D



001C00



759065



000000



8FAB7E



AAC699



C5E2B3



E2FFCF



FEFFEB



2D4620



2D4620

■ 284619

■ 324627

■ 244612

■ 36462E

■ 1F460B

■ 3B4635

■ 1B4604

■ 3F463C

■ 184600

■ 444643

■ 49464A

■ 4D4651

■ 524658

■ 56465F

# Harmonies

## Analogous

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



434116



2D4620



0A4932

# Triad

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



2D4620



004566



662E38

# Complementary

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



2D4620



392046

# 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.



5F304D



2D4620



2B3F67

# Square

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



2D4620



00495A



4C375E



623325

# Rectangle

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



2D4620



004A40



4C375E



652E3F



# Sweetspot

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



2D4620



525C4D



463920



282E25



ADADAD



2E2E2E



# Same Dimension

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



2D4620



355C20



204626



212420



226300



4EE300



# Inverse Universe

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



392046



47205C



462040



222024



410063

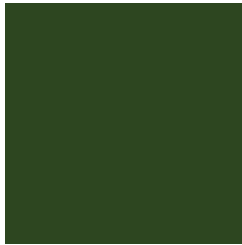


9500E3



# Previews

## White Background



This preview shows how the Hex color 2D4620 looks on a white background.

## Color Contrast Check

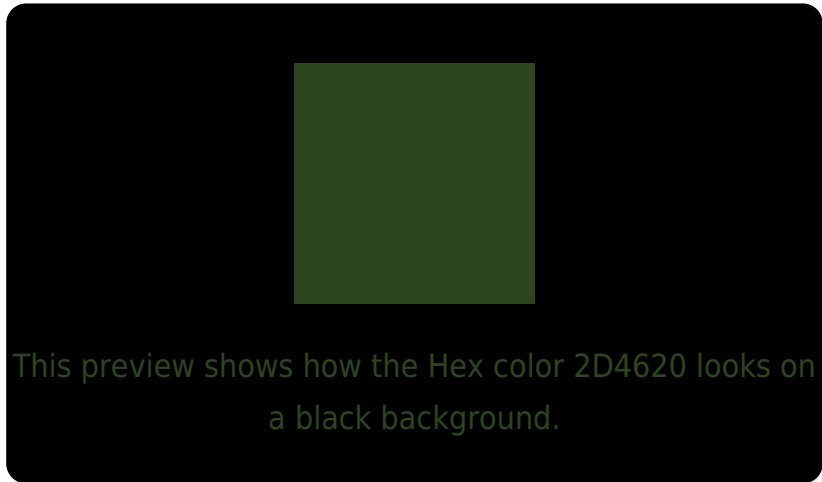
Large Text (above 18pt) WCAG AA ✓ Pass

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

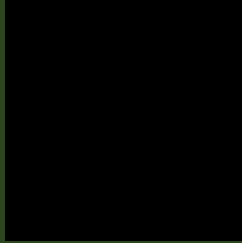
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D4620 Background



This preview shows how black text looks on a background with the Hex color 2D4620.



This preview shows how white text looks on a background with the Hex color 2D4620.

# 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**  
2D4620

**Protanopia**  
463F1E

**Deuteranopia**  
4D3C23



**Tritanopia**  
334247

# Trichromacy



**Original Color**  
2D4620

**Protanomaly**  
3D421F

**Deuteranomaly**  
414022

**Tritanomaly**  
314339

# Monochromacy



**Original Color**  
2D4620

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
353E31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D4620 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 #2D4620 looks like.

```
.text, #text, p{  
    color:#2D4620  
}
```

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 #2D4620 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D4620
}
```

## Border

The CSS property to change the border of an element to Hex 2D4620 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".

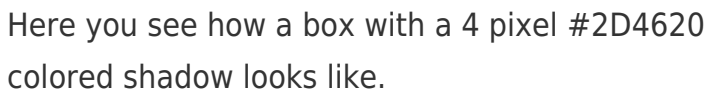
```
.border, #border, table{ border:4px solid
#2D4620 }
```

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

```
.border{ border-color:#2D4620 }
```

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

Here you see how a box with a 4 pixel #2D4620 colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The box is white with a thin dark green border on the top and left sides, and a thicker dark green shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D4620; -webkit-box-shadow:4px 4px  
4px 4px #2D4620; box-shadow:4px 4px 4px  
4px #2D4620 }
```

# Background

The CSS property to change the background color of an element to Hex 2D4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D4620 }
```

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

```
.background{ background-color:#2D4620 }
```

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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