

Converting Colors

Hex(2A4644)

Have a look what the booklet for
Hex(2A4644) contains.

Hex(2A4644)	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(2A4644)

Conversions

Conversions Part 1

Format	Color
Hex	2A4644
RGB	42, 70, 68
RGB Percent	16%, 27%, 27%
CMY	0.8353, 0.7255, 0.7333
CMYK	0.40, 0.00, 0.03, 0.73
HSL	176°, 25%, 22%
HSV	176°, 40%, 27%
XYZ	4.1884, 5.2899, 6.2691
YIQ	61.4000, -16.0460, -6.5580

Conversions

Conversions Part 2

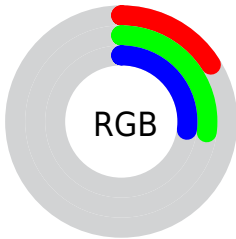
Format	Color
R_{YB}	42, 57, 70
Decimal	2770500
CIE _{Lab}	27.55, -11.09, -2.15
CIE _{LCh}	28, 11.295, 190.977
Yxy	5.2899, 0.2660, 0.3359
Android (android.graphics.Color)	4280960580 (0xFF2A4644)
YUV	61.4000, 3.2538, -17.0138
Hunter-Lab	22.9998, -7.7438, -0.0610




Details

The Hex color **2A4644** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **462A2C**, and the grayscale version is **3D3D3D**.




A 20% lighter version of the original color is **597674**, and **001B19** is the 20% darker color. If you saturate the color by 10%, you get **234643**, and if you desaturate by 10%, it is **314645**.

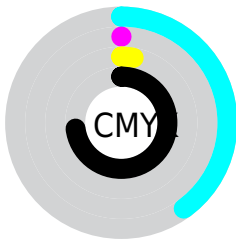
Distribution







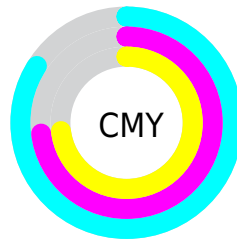
-  Red (16%)
-  Green (27%)
-  Blue (27%)






-  Red (16%)
-  Yellow (22%)
-  Blue (27%)



-  Cyan (40%)
-  Magenta (0%)
-  Yellow (3%)
-  Black (73%)



-  Cyan (84%)
-  Magenta (73%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A4644 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 2A4644 by changing the saturation by 10% instead.

■ 2A4644

■ 2A4644

FFFFFF

■ 14302E

■ 597674

■ 001B19

■ 72908E

■ 000000

■ 8CABA8

■ A6C6C3

■ C2E2DF

■ DEFFFC

■ FBFFFF

■ 2A4644

■ 2A4644

■ 234643

■ 314645

■ 1C4643

■ 384645

■ 154642

■ 3F4646

■ 0E4642

■ 464646

■ 074641

■ 4D4647

■ 004641

■ 544647

■ 5B4648

■ 624648

■ 694649

Harmonies

Analogous

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



31463B



2A4644



29454C

Triad

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



2A4644



463E4E



4D3F31

Complementary

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



2A4644



462A2C

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.



523C36



2A4644



4F3C47

Square

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



2A4644



3B4152



533B3E



444130

Rectangle

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



2A4644



2D4450



533B3E



4F3E32

Sweetspot

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



2A4644



515C5B



2C462A



272E2D



ADADAD



2E2E2E

Same Dimension

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



2A4644



305C59



2A3A46



202423



00635C



00E3D3

Inverse Universe

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



462A2C



5C3033



46362A



242020



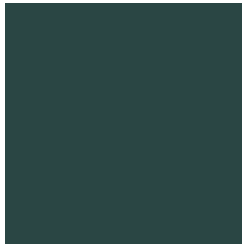
630007



E30010

Previews

White Background



This preview shows how the Hex color 2A4644 looks on a white background.

Color Contrast Check

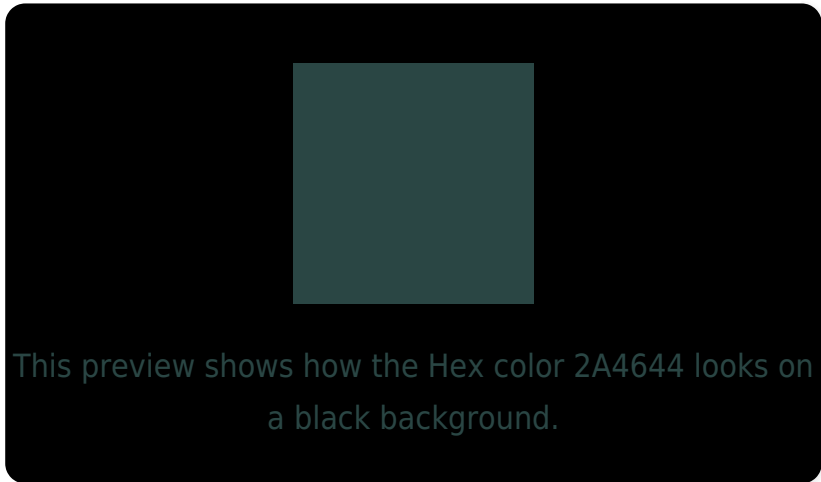
Large Text (above 18pt) WCAG AA ✓ Pass

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

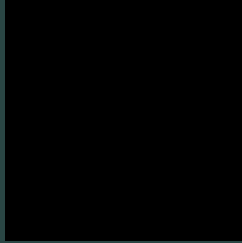
Any Text WCAG AA × Fail

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 2A4644 Background



This preview shows how black text looks on a background with the Hex color 2A4644.



This preview shows how white text looks on a background with the Hex color 2A4644.

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

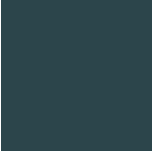
2A4644

Protanopia

424141

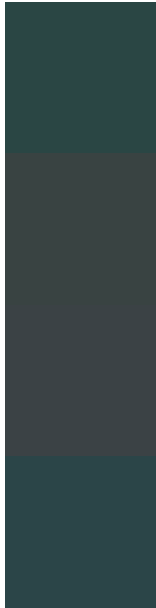
Deuteranopia

453F45



Tritanopia
2C454B

Trichromacy



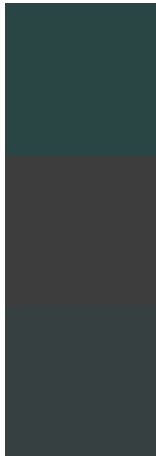
Original Color
2A4644

Protanomaly
394342

Deuteranomaly
3B4245

Tritanomaly
2B4548

Monochromacy



Original Color
2A4644

Achromatopsia
3D3D3D

Achromatomaly
364040

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A4644 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 #2A4644 looks like.

```
.text, #text, p{  
    color:#2A4644  
}
```

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 #2A4644 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A4644
}
```

Border

The CSS property to change the border of an element to Hex 2A4644 is called "border". The border property can be set on classes, ids or directly on the HTML element.

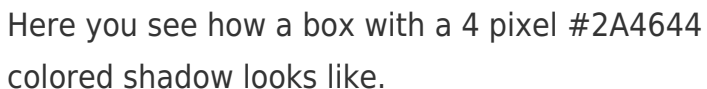
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A4644 }
```

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

```
.border{ border-color:#2A4644 }
```

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



Here you see how a box with a 4 pixel #2A4644 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A4644; -webkit-box-shadow:4px 4px  
4px 4px #2A4644; box-shadow:4px 4px 4px  
4px #2A4644 }
```

Background

The CSS property to change the background color of an element to Hex 2A4644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A4644 }
```

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

```
.background{ background-color:#2A4644 }
```

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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