

Converting Colors

Hex(2A4610)

Have a look what the booklet for
Hex(2A4610) contains.

Hex(2A4610)	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(2A4610)

Conversions

Conversions Part 1

Format	Color
Hex	2A4610
RGB	42, 70, 16
RGB Percent	16%, 27%, 6%
CMY	0.8353, 0.7255, 0.9373
CMYK	0.40, 0.00, 0.77, 0.73
HSL	91°, 63%, 17%
HSV	91°, 77%, 27%
XYZ	3.2385, 4.9100, 1.2672
YIQ	55.4720, 0.6460, -22.7300

Conversions

Conversions Part 2

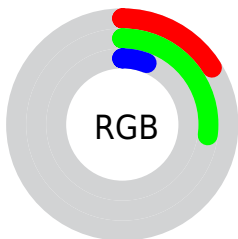
Format	Color
RYB	16, 70, 44
Decimal	2770448
CIELab	26.48, -20.99, 27.91
CIElCh	26, 34.925, 126.948
Yxy	4.9100, 0.3439, 0.5215
Android (android.graphics.Color)	4280960528 (0xFF2A4610)
YUV	55.4720, -19.4597, -11.8149
Hunter-Lab	22.1584, -12.6889, 12.1201

Details

The Hex color **2A4610** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **2C1046**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **5A773E**, and **001C00** is the 20% darker color. If you saturate the color by 10%, you get **264609**, and if you desaturate by 10%, it is **2E4617**.

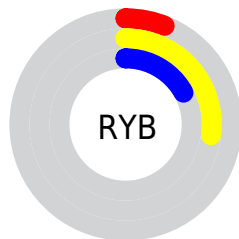
Distribution



Red (16%)

Green (27%)

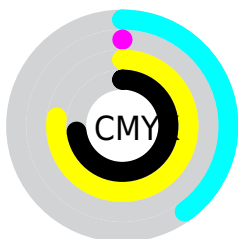
Blue (6%)



Red (6%)

Yellow (27%)

Blue (17%)

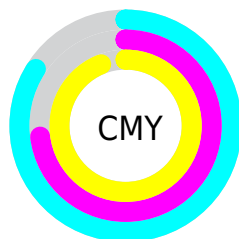


Cyan (40%)

Magenta (0%)

Yellow (77%)

Black (73%)



Cyan (84%)

Magenta (73%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A4610 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 2A4610 by changing the saturation by 10% instead.

 2A4610

 2A4610

 FFFFF7

 152F00

 5A773E

 001C00

 739056

 000000

 8EAB6E

 A8C688

 C4E2A3

 E0FFBE

 FDFFDA

 2A4610

 2A4610

■ 264609

■ 2E4617

■ 234602

■ 31461E

■ 224600

■ 354625

■ 39462C

■ 3C4633

■ 40463A

■ 434641

■ 474648

■ 4B464F

Harmonies

Analogous

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



463F02



2A4610



004A29

Triad

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



2A4610



00476F



6E243A

Complementary

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



2A4610



2C1046

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.



632954



2A4610



044074

Square

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



2A4610



004A5E



473569



6B2B20

Rectangle

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



2A4610



004B3B



473569



6C2542

Sweetspot

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



2A4610



515C47



462C10



272E21



ADADAD



2E2E2E

Same Dimension

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



2A4610



305C06



104611



222420



306300



6DE300

Inverse Universe

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



2C1046



33065C



461045



222024



340063



7600E3

Previews

White Background



This preview shows how the Hex color 2A4610 looks on a white background.

Color Contrast Check

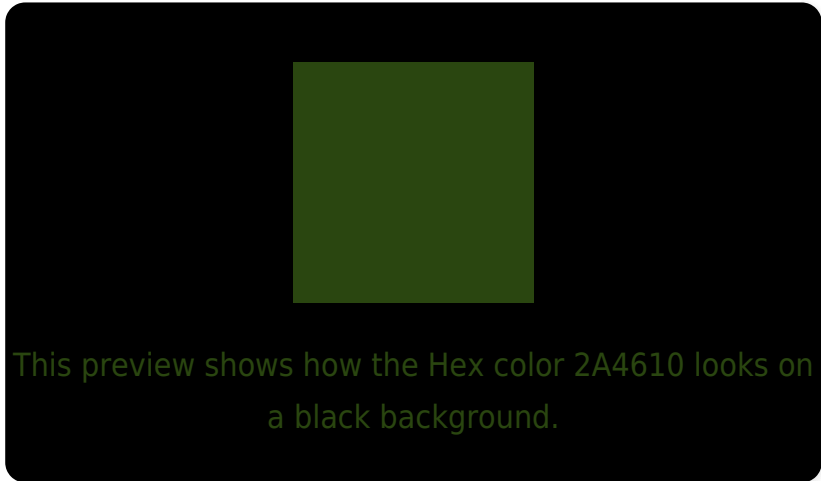
Large Text (above 18pt) WCAG AA ✓ Pass

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

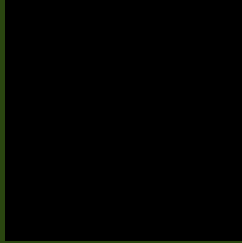
Any Text WCAG AA × Fail

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 2A4610 Background



This preview shows how black text looks on a background with the Hex color 2A4610.



This preview shows how white text looks on a background with the Hex color 2A4610.

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](#).

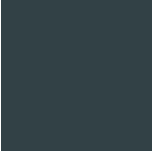
Dichromacy



Original Color
2A4610

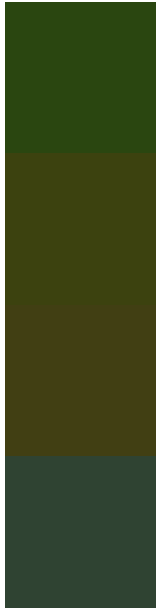
Protanopia
463F0E

Deuteranopia
4E3B15



Tritanopia
324146

Trichromacy



Original Color
2A4610

Protanomaly
3C420F

Deuteranomaly
413F13

Tritanomaly
2F4332

Monochromacy



Original Color
2A4610

Achromatopsia
373737

Achromatomaly
323C29

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A4610 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 #2A4610 looks like.

```
.text, #text, p{  
    color:#2A4610  
}
```

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 #2A4610 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A4610
}
```

Border

The CSS property to change the border of an element to Hex 2A4610 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
#2A4610 }
```

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

```
.border{ border-color:#2A4610 }
```

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

Here you see how a box with a 4 pixel #2A4610 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A4610; -webkit-box-shadow:4px 4px  
4px 4px #2A4610; box-shadow:4px 4px 4px  
4px #2A4610 }
```

Background

The CSS property to change the background color of an element to Hex 2A4610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A4610 }
```

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

```
.background{ background-color:#2A4610 }
```

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