

# Converting Colors

Hex(2B4601)

Have a look what the booklet for  
Hex(2B4601) contains.

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**Color**

**Hex(2B4601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B4601
RGB	43, 70, 1
RGB Percent	17%, 27%, 0%
CMY	0.8314, 0.7255, 0.9961
CMYK	0.39, 0.00, 0.99, 0.73
HSL	83°, 97%, 14%
HSV	83°, 99%, 27%
XYZ	3.1919, 4.8961, 0.8055
YIQ	54.0610, 6.0570, -27.1830

# Conversions

## Conversions Part 2

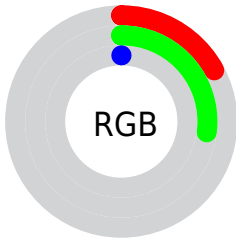
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 70, 28
Decimal	2835969
CIELab	26.44, -21.60, 34.06
CIElCh	26, 40.332, 122.385
Yxy	4.8961, 0.3589, 0.5505
Android (android.graphics.Color)	4281026049 (0xFF2B4601)
YUV	54.0610, -26.1591, -9.7005
Hunter-Lab	22.1271, -12.9734, 13.3306

# Details

The Hex color **2B4601** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **1C0146**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **5C7732**, and **001C00** is the 20% darker color. If you saturate the color by 10%, you get **2B4600**, and if you desaturate by 10%, it is **2E4608**.

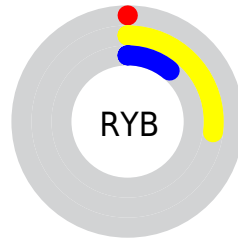
# Distribution



Red (17%)

Green (27%)

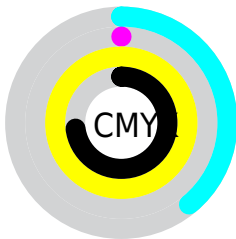
Blue (0%)



Red (0%)

Yellow (27%)

Blue (11%)

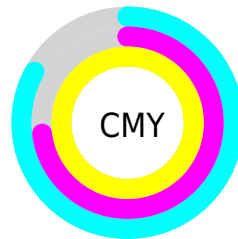


Cyan (39%)

Magenta (0%)

Yellow (99%)

Black (73%)



Cyan (83%)

Magenta (73%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B4601 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 2B4601 by changing the saturation by 10% instead.



 2B4601

 2B4601

 FFFFEA

 142F00

 5C7732

 001C00

 76904A

 000000

 90AB63

 ABC67C

 C7E297

 E3FFB2

 FFFFCD

 2B4601

 2B4601

■ 2B4600

■ 2E4608

■ 30460F

■ 334616

■ 36461D

■ 394624

■ 3B462B

■ 3E4632

■ 414639

■ 444640

# Harmonies

## Analogous

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



4B3E00



2B4601



004A20

# Triad

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



2B4601



004975



741D3D

# Complementary

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



2B4601



1C0146

# 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.



65265C



2B4601



00427C

# Square

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



2B4601



004C5F



403573



72241F

# Rectangle

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



2B4601



004C35



403573



711E48



# Sweetspot

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



2B4601



515C40



461B01



272E1D



ADADAD



2E2E2E



# Same Dimension

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



2B4601



385C00



094601



222420



3D6300



8AE300



# Inverse Universe

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



1C0146



24005C



3E0146



222024



270063



5900E3



# Previews

## White Background



This preview shows how the Hex color 2B4601 looks on a white background.

## Color Contrast Check

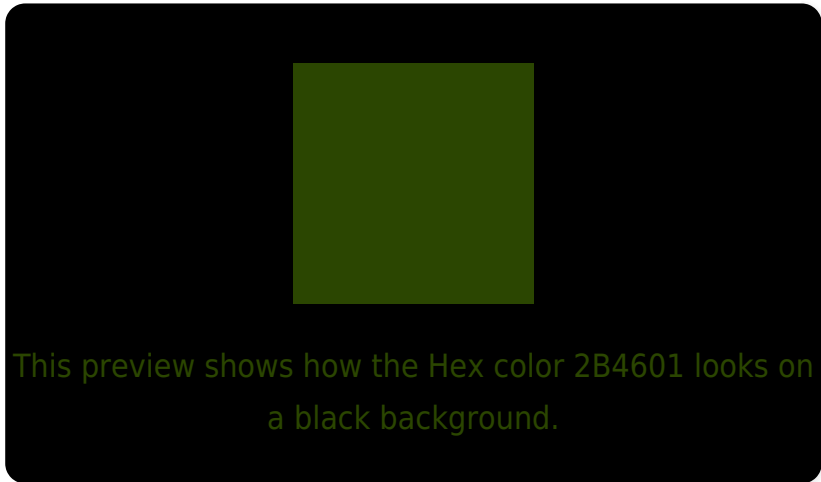
Large Text (above 18pt) WCAG AA ✓ Pass

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

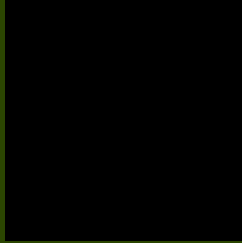
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B4601 Background



This preview shows how black text looks on a background with the Hex color 2B4601.



This preview shows how white text looks on a background with the Hex color 2B4601.

# 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**  
2B4601

**Deuteranopia**  
4F3B0E

**Tritanopia**  
334146

# Trichromacy



**Original Color**  
2B4601

**Deuteranomaly**  
423F09

**Tritanomaly**  
30432D

# Monochromacy



**Original Color**  
2B4601

**Achromatopsia**  
363636

**Achromatomaly**  
323C23

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B4601 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 #2B4601 looks like.

```
.text, #text, p{  
    color:#2B4601  
}
```

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 #2B4601 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B4601
}
```

## Border

The CSS property to change the border of an element to Hex 2B4601 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".

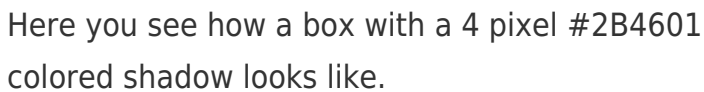
```
.border, #border, table{ border:4px solid
#2B4601 }
```

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

```
.border{ border-color:#2B4601 }
```

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

Here you see how a box with a 4 pixel #2B4601 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 #2B4601; -webkit-box-shadow:4px 4px  
4px 4px #2B4601; box-shadow:4px 4px 4px  
4px #2B4601 }
```

# Background

The CSS property to change the background color of an element to Hex 2B4601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B4601 }
```

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

```
.background{ background-color:#2B4601 }
```

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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