

# Converting Colors

Hex(2B4124)

Have a look what the booklet for  
Hex(2B4124) contains.

<b>Hex(2B4124)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(2B4124)

# Conversions

## Conversions Part 1

Format	Color
Hex	2B4124
RGB	43, 65, 36
RGB Percent	17%, 25%, 14%
CMY	0.8314, 0.7451, 0.8588
CMYK	0.34, 0.00, 0.45, 0.75
HSL	106°, 29%, 20%
HSV	106°, 45%, 25%
XYZ	3.2050, 4.4216, 2.3536
YIQ	55.1160, -3.8030, -13.6830

# Conversions

## Conversions Part 2

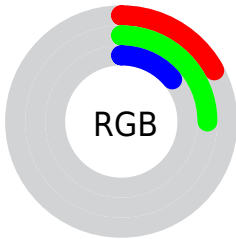
Format	Color
R <sub>Y</sub> B	36, 65, 58
Decimal	2834724
CIE Lab	25.02, -15.27, 15.01
CIE LCh	25, 21.412, 135.494
Yxy	4.4216, 0.3211, 0.4430
Android (android.graphics.Color)	4281024804 (0xFF2B4124)
YUV	55.1160, -9.4242, -10.6257
Hunter-Lab	21.0275, -9.5913, 8.0830

# Details

The Hex color **2B4124** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3A2441**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **5A7151**, and **001800** is the 20% darker color. If you saturate the color by 10%, you get **26411E**, and if you desaturate by 10%, it is **30412B**.

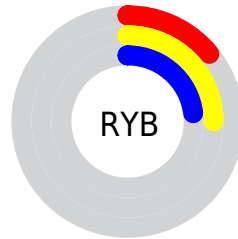
# Distribution



Red (17%)

Green (25%)

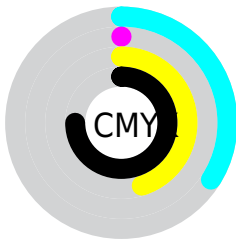
Blue (14%)



Red (14%)

Yellow (25%)

Blue (23%)

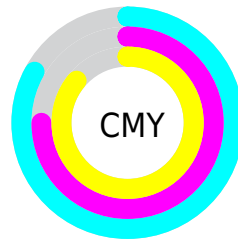


Cyan (34%)

Magenta (0%)

Yellow (45%)

Black (75%)



Cyan (83%)

Magenta (75%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B4124 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 2B4124 by changing the saturation by 10% instead.





2B4124



2B4124

FFFFFF



152B0F



5A7151



001800



728B69



000000



8CA582



A7C09D



C2DCB8



DEF8D3



FBFFF0



2B4124



2B4124

■ 26411E

■ 30412B

■ 214117

■ 354131

■ 1C4110

■ 3A4138

■ 17410A

■ 3F413E

■ 124104

■ 444145

■ 104100

■ 49414B

■ 4E4152

■ 524158

■ 57415E

# Harmonies

## Analogous

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



3D3D1B



2B4124



144333

# Triad

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



2B4124



0E3F5A



5A2E34

# Complementary

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



2B4124



3A2441

# 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.



562F44



2B4124



303A5A

# Square

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



2B4124



004352



473452



573225

# Rectangle

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



2B4124



00443E



473452



5A2E39



# Sweetspot

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



2B4124



4C5449



413A24



262B24



ABABAB



2B2B2B



# Same Dimension

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



2B4124



325427



24412B



1F211E



176100



36E000



# Inverse Universe

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



3A2441



492754



41243A



201E21



4A0061

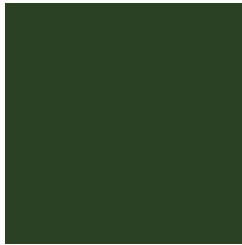


AA00E0



# Previews

## White Background



This preview shows how the Hex color 2B4124 looks on a white background.

## Color Contrast Check

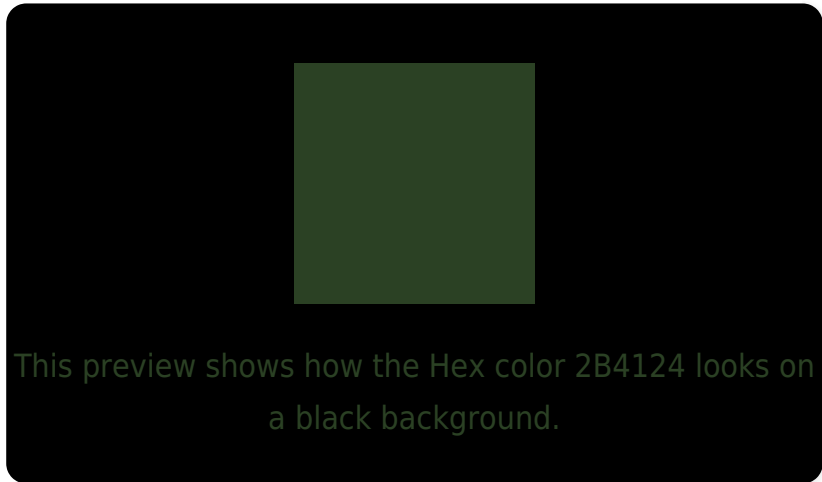
Large Text (above 18pt) WCAG AA ✓ Pass

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

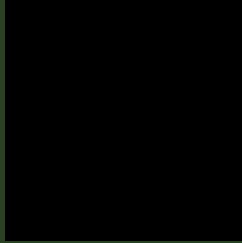
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B4124 Background



This preview shows how black text looks on a background with the Hex color 2B4124.



This preview shows how white text looks on a background with the Hex color 2B4124.

# 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](#).

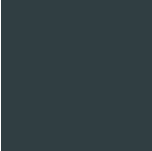
## Dichromacy



**Original Color**  
2B4124

**Protanopia**  
413B22

**Deuteranopia**  
473926



**Tritanopia**  
303E42

# Trichromacy



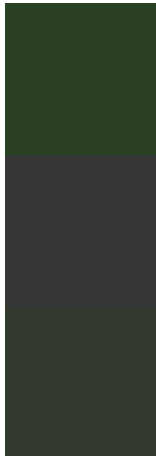
**Original Color**  
2B4124

**Protanomaly**  
393D23

**Deuteranomaly**  
3D3C25

**Tritanomaly**  
2E3F37

# Monochromacy



**Original Color**  
2B4124

**Achromatopsia**  
373737

**Achromatomaly**  
333B30

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B4124 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 #2B4124 looks like.

```
.text, #text, p{  
    color:#2B4124  
}
```

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 #2B4124 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B4124
}
```

## Border

The CSS property to change the border of an element to Hex 2B4124 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".

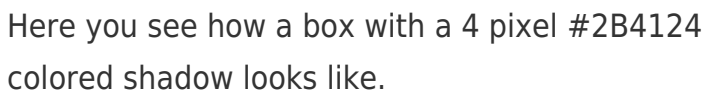
```
.border, #border, table{ border:4px solid
#2B4124 }
```

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

```
.border{ border-color:#2B4124 }
```

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

Here you see how a box with a 4 pixel #2B4124 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B4124; -webkit-box-shadow:4px 4px  
4px 4px #2B4124; box-shadow:4px 4px 4px  
4px #2B4124 }
```

# Background

The CSS property to change the background color of an element to Hex 2B4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B4124 }
```

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

```
.background{ background-color:#2B4124 }
```

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